LG STUDIOWORKS 77M

MODEL

SERVICE MANUAL

SPECIFICATIONS

1. PICTURE TUBE

Size : 17 inch (Flat Square Tube)
Gun : In-line
Deflection Angle : 90°
Neck Diameter : 29.1 mm
Dot Pitch : 0.27 mm

2. SIGNAL

2-1. Horizontal & Vertical Sync
1) Input Voltage Level : Low=0~0.8V, High=2.5~5.5V
2) Sync Polarity : Positive or Negative

2-2. Video Input SIignal
1) Voltage Level : 0~0.7 Vp-p
a) Color 0, 0 : 0 Vp-p
b) Color 7, 0 : 0.467 Vp-p
c) Color 15, 0 : 0.7 Vp-p
2) Input Impedance : 75 Ω
3) Video Color : R, G, B Analog
4) Signal Format : Refer to the Timing Chart

2-3. Signal Connector
15 Pin D-Sub Connector

2-4. Operating Frequency
Horizontal : 30 ~ 70 kHz
Vertical : 50 ~ 160 Hz

3. STEREO AUDIO

3-1. Input Voltage : 0.707 Vrms
3-2. Input Impedance : 20kΩ min
3-3. Amp Output : 2W+2W rms
3-4. Speaker Impedance : 4Ω
3-5. Speaker Type : Dome, Bassreflex, Closed

.

4. POWER SUPPLY

4-1. Power Range
AC 100V~240V (Free Voltage), 50/60Hz, 2.3A Max.

4-2. Power Consumption

MODE	H/V SYNC	POWER CONSUMPTION	LED COLOR
NORMAL (ON)	ON/ON	less than 120W	GREEN
STAND-BY	OFF/ON	less than 15W	ORANGE
SUSPEND	ON/OFF	less than 15W	
OFF	OFF/OFF	less than 8W	ORANGE

5. DISPLAY AREA

5-1. Active Video Area : 310 x 230 mm (12.20" x 9.06")
5-2. Display Color : Full Colors
5-3. Display Resolution : 1024 Dots x 768 Lines / 85Hz
1280 Dots x 1024 Lines / 60Hz
5-4. Video Bandwidth : 110 MHz

6. ENVIRONMENT

6-1. Operating Temperature: 15°C~30°C (59°F~86°F) (Ambient)
6-2. Relative Humidity : 8%~80% (Non-condensing)
6-3. Altitude : 5,000m

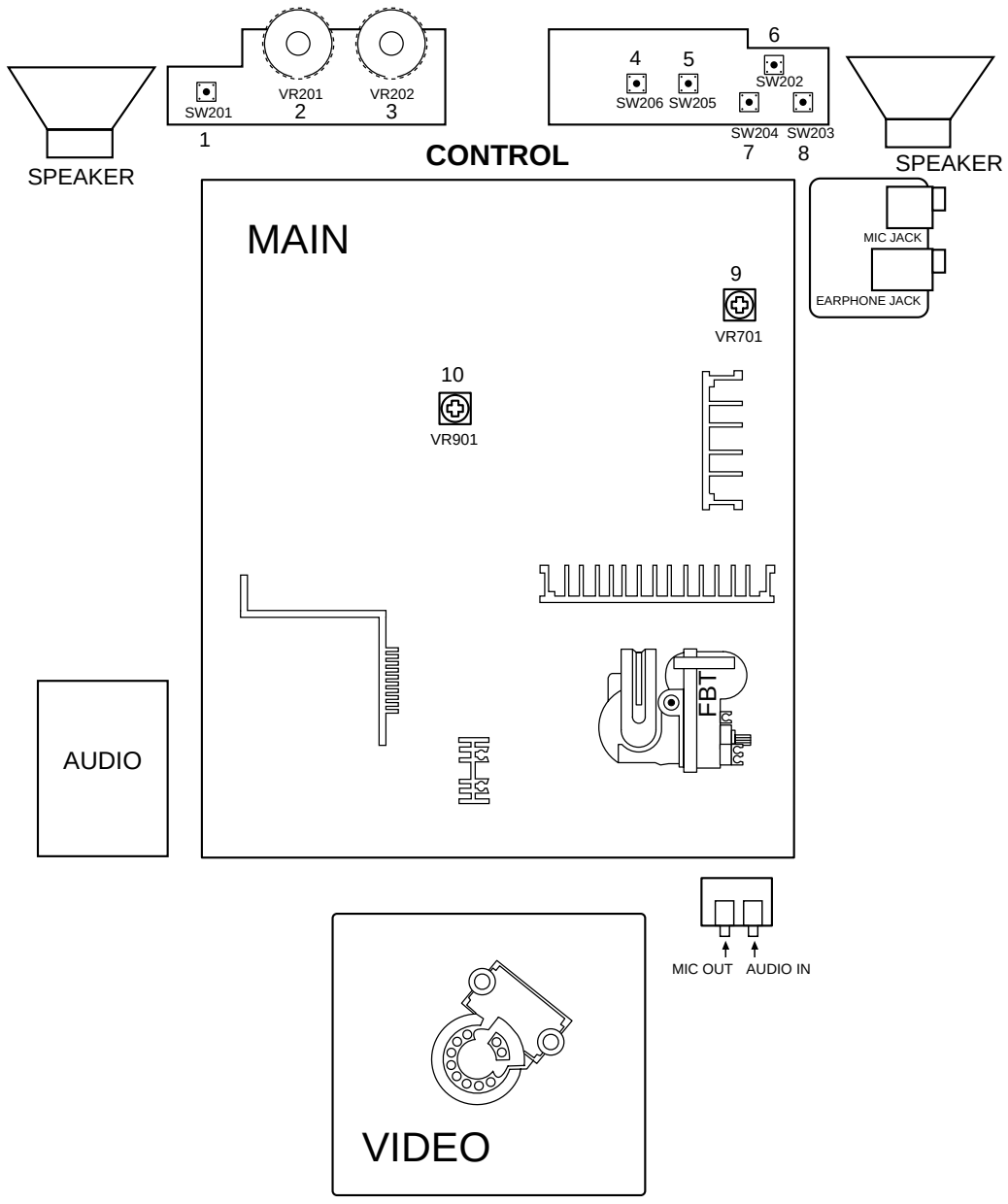
7. DIMENSIONS (With TILT/SWIVEL)

Width : 465.0 mm (18.31")
Depth : 442.0 mm (17.40")
Height : 435.5 mm (17.15")

8. WEIGHT (WithTILT/SWIVEL)

Net. Weight : 19.0 kg (41.89 lbs)
Gross Weight : 23.0 kg (50.71 lbs)

CONTROL LOCATIONS

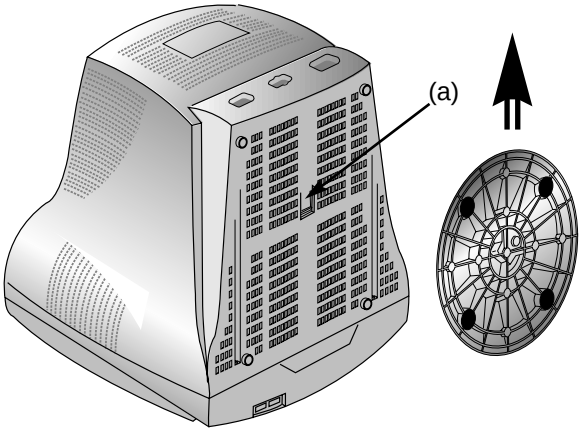


No.	Ref. No.	Control Function	No.	Ref. No.	Control Function
1	SW201	POWER SWITCH	6	SW202	ENTER BUTTON
2	VR201	CONTRAST CONTROL	7	SW204	OSD SELECT RIGHT
3	VR202	BRIGHTNESS CONTROL	8	SW203	OSD SELECT LEFT
4	SW206	SOUND MUTE	9	VR701	H/V ADJUSTMENT
5	SW205	SOUND	10	VR901	B^+ ADJUSTMENT

DISASSEMBLY

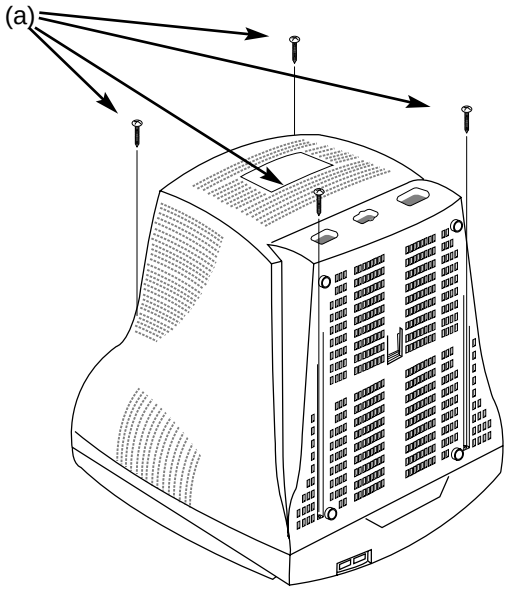
1. TILT/SWIVEL REMOVAL

1) Set the monitor face down.
2) Pressing the latch (a), carefully remove the Tilt/Swivel by pulling it upward.



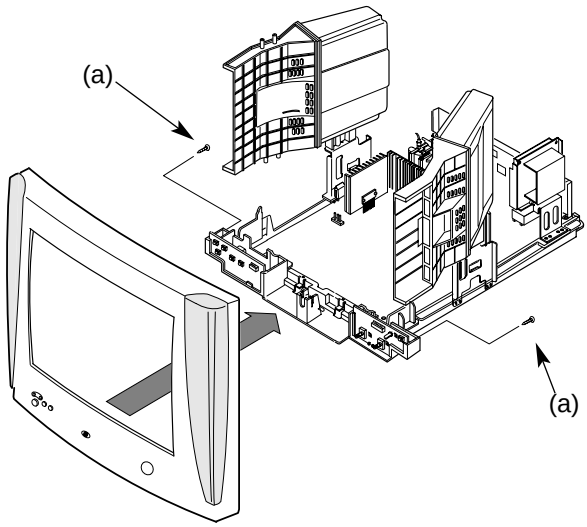
2. BACK COVER REMOVAL

1) Remove four screws (a) from the Back Cover.
2) Slide the Back Cover away from the Front Cabinet of the monitor.



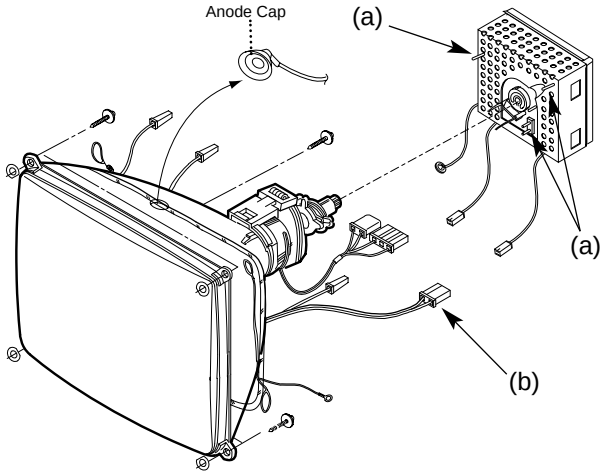
3. TOTAL CHASSIS ASSEMBLY REMOVAL

1) Disconnect P901 (Degaussing pin), P701 (H-DY pin), and P601(V-DY pin).
2) Remove two screws (a) from the Main Bracket to separate it from the Front Cabinet.



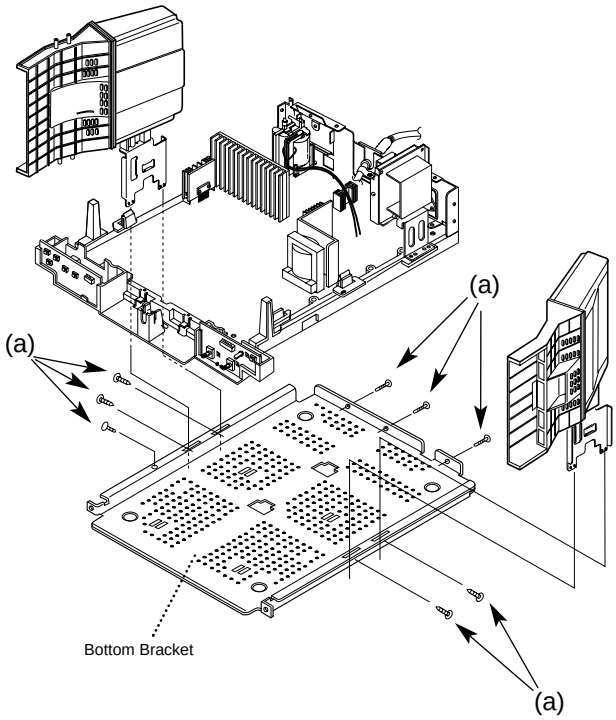
4. CRT BOARD ASSEMBLY REMOVAL

1) Remove three pins (a).
2) Remove the CRT ground connector (b).
3) Carefully separate the CRT Board Assembly from the CRT neck.
4) Discharge the remaining static electricity by shorting between the Anode Cap and the CRT ground.
5) Disconnect the Anode Cap from the CRT.



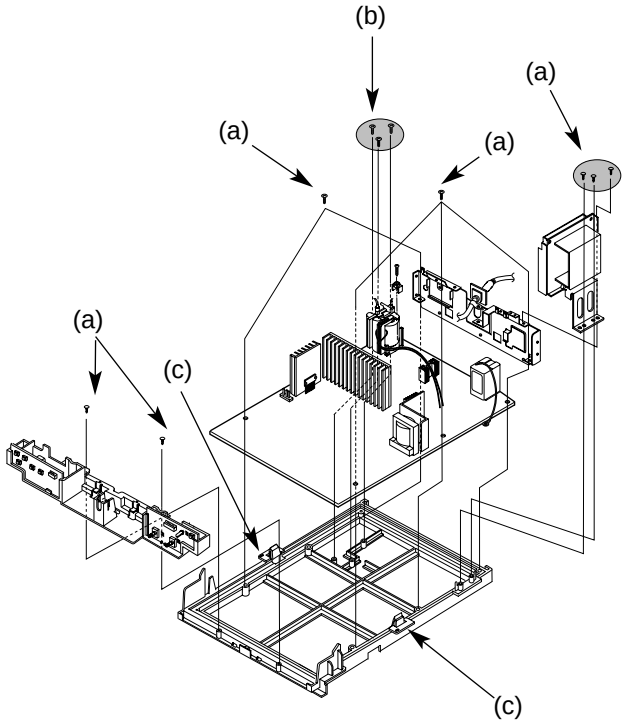
5. BOTTOM BRACKET REMOVAL

1) Remove eight screws (a).
2) Remove the Bottom Bracket.



6. MAIN BOARD ASSEMBLY REMOVAL

1) Remove ten screws (a).
2) Remove three screws (b).
3) Release two latches (c) from the Main Board Assembly.



ADJUSTMENT

GENERAL INFORMATION

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several minor adjustment may be required.
Adjustment should be following procedure and after warming up for a minimum of 30 minutes.

- Alignment appliances and tools.
  - IBM compatible PC.
  - Programmable Signal Generator.
    (eg. VG-819 made by Astrodesign Co.)
  - E(E)PROM with each mode data saved.
  - Alignment Adaptor and Software.
  - Digital Voltmeter.
  - White Balance Meter.
  - Luminance Meter.
  - High-voltage Meter.

AUTOMATIC AND MANUAL DEGAUSSING

The degaussing coil is mounted around the CRT so that automatic degaussing when turn on the monitor. But a monitor is moved or faced in a different direction, become poor color purity cause of CRT magnetized, then press (DEGAUSSING) on the OSD menu.

ADJUSTMENT PROCEDURE & METHOD

- Install the cable for adjustment such as Figure 1 and run the alignment program on the DOS for IBM compatible PC.
- Set external Brightness and Contrast volume to max position.

1. Adjustment for B^+ Voltage.

1) Display cross hatch pattern at Mode 4.
2) Adjust C951 + voltage to 160±0.5Vdc with **VR901**.

2. Adjustment for High-Voltage.

1) Display cross hatch pattern at Mode 4.
2) Adjust FBT Anode voltage to 141±0.5Vdc with **VR701**.

5. Adjustment for Factory Mode (Preset Mode).

1) Display cross hatch pattern at Mode 1.
2) Run alignment program for MB776B on the IBM compatible PC.
3) COMMAND → START → Y(Yes) command.
4) DIST. ADJ. → TILT command.
5) Adjust tilt as arrow keys to be the best condition.
6) DIST. ADJ. → BALANCE command.
7) Adjust balance of side-pincushion as arrow keys to be the best condition.
8) DIST. ADJ. → FOS. ADJ → Mode No. → 1 command.
9) Adjust V-SIZE as arrow keys to 230±2mm.
10) Adjust V-POSITION as arrow keys to center of the screen.
11) Adjust H-SIZE as arrow keys to 310±2mm.
12) Adjust H-POSITION as arrow keys to center of the screen.
13) Adjust S-PCC (Side-Pincushion) as arrow keys to be the best condition.
14) Adjust TRAPEZOID as arrow keys to be the best condition.
15) Display from Mode 2 to Mode 7 and repeat above from number 9) to 14).
16) PRESET EXIT → Y(Yes) command.

6. Adjustment for White Balance and Luminance.

1) Set the White Balance Meter.
2) Press the (DEGAUSSING) on the OSD menu for demagnetization of the CRT.
3) Display color 0,0 pattern at Mode 4.
4) COLOR ADJ. → LUMINANCE command of the alignment program.
5) Set Brightness and Sub-Brightness to max position.
6) COLOR ADJ. → BIAS ADJ. → COLOR NO. → 1 command of the alignment program.
7) Check whether blue color or not at R-BIAS and G-BIAS to min position and adjust B-BIAS to 0.3±0.05FL of the raster luminance.
8) Adjust R-BIAS and G-BIAS command to x=0.281±0.01 and y=0.311±0.01 on the White Balance Meter with PC arrow keys.
9) Adjust SUB-BRIGHT command to 0.4±0.1FL of the raster luminance.
10) Display color 15,0 box pattern (70x70mm) at Mode 4.
11) DRIVE ADJ → No 1. command.
12) Set Contrast and Sub-Contrast to max position.
13) Set B-DRIVE to 2/3 150(96 decimal) position at DRIVE of the alignment program.
14) Adjust R-DRIVE and G-DRIVE command to white balance x=0.283±0.001 and y=0.298±0.001 on the White Balance Meter with PC arrow keys.
15) Adjust Sub-Contrast command to 54±2FL(MPR), 46±2FL(TCO) of the raster luminance.
16) Save in COLOR 1.

17) Display color 15,0 full white patten at Mode 4.
18) COLOR ADJ. → LUMINANCE → ABL command.
19) Adjust ABL to 35±1FL(MPR), 30±1(TCO) of the luminance.
20) Exit from the program.

*** Note :** Color mode 2 data is automatically save in the EEPROM by the microprocessor.

7. Adjustment for Focus.

1) Display H character in full screen at Mode 4.
2) Adjust two Focus control on the FBT that focus should be the best condition.

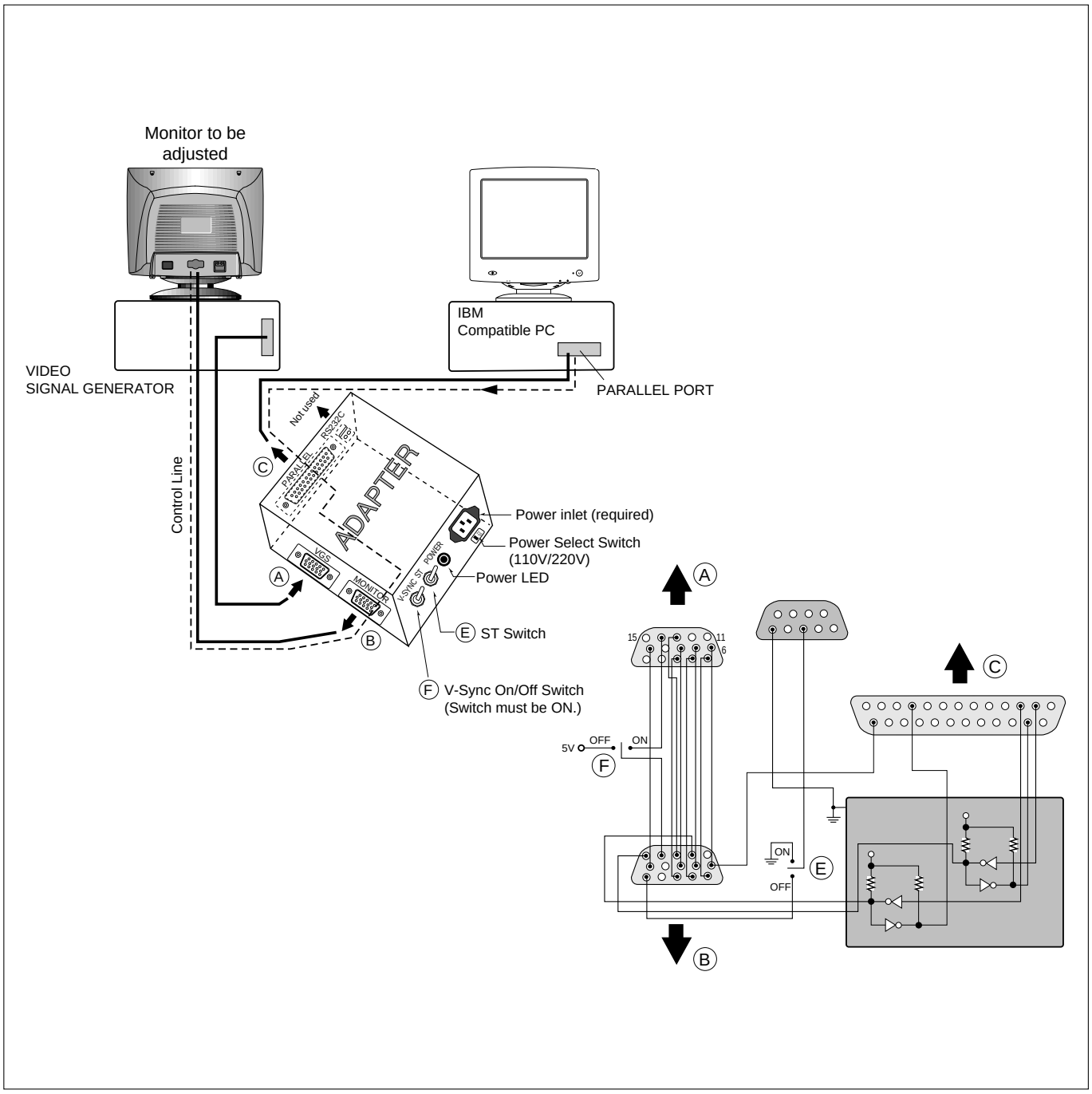
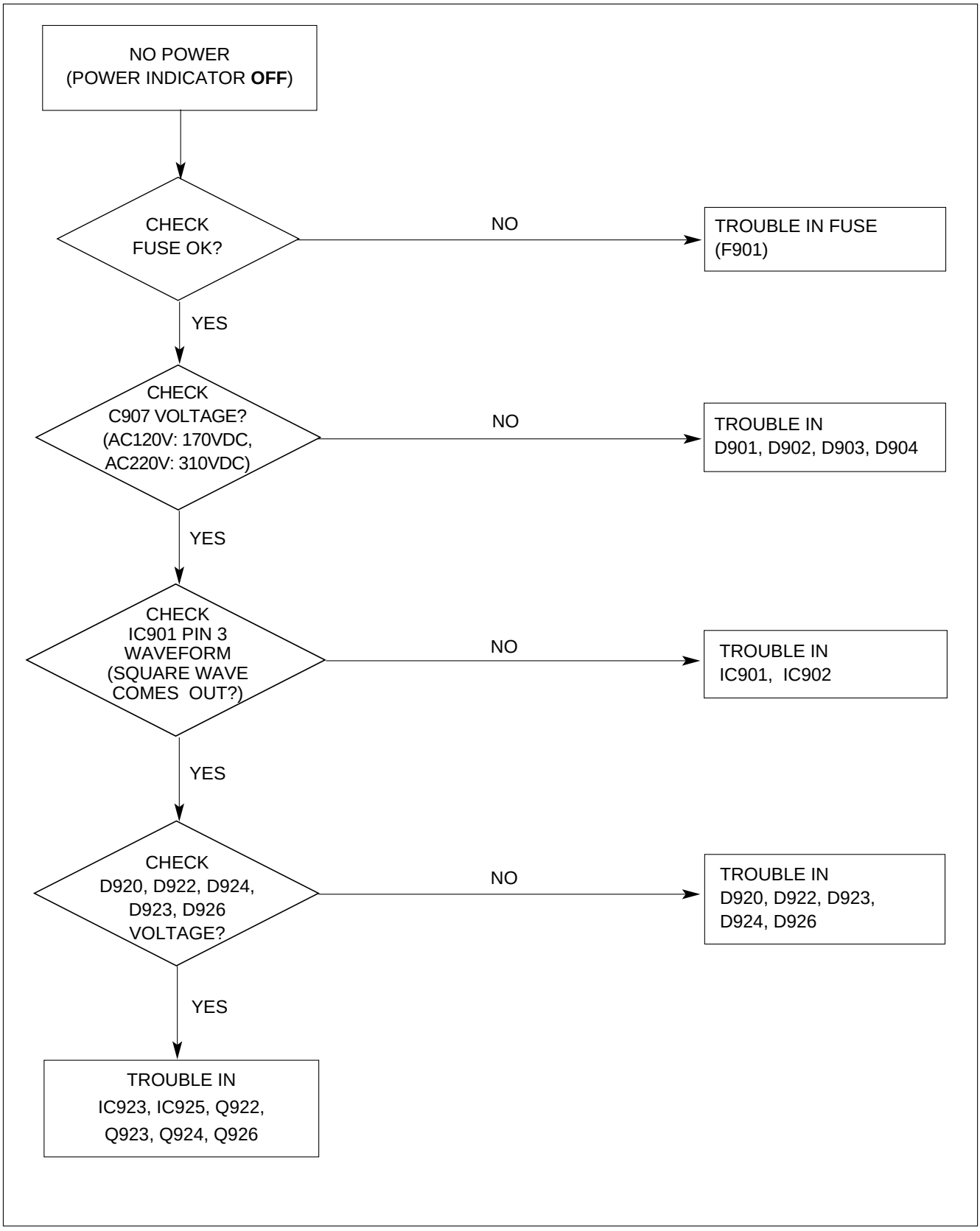


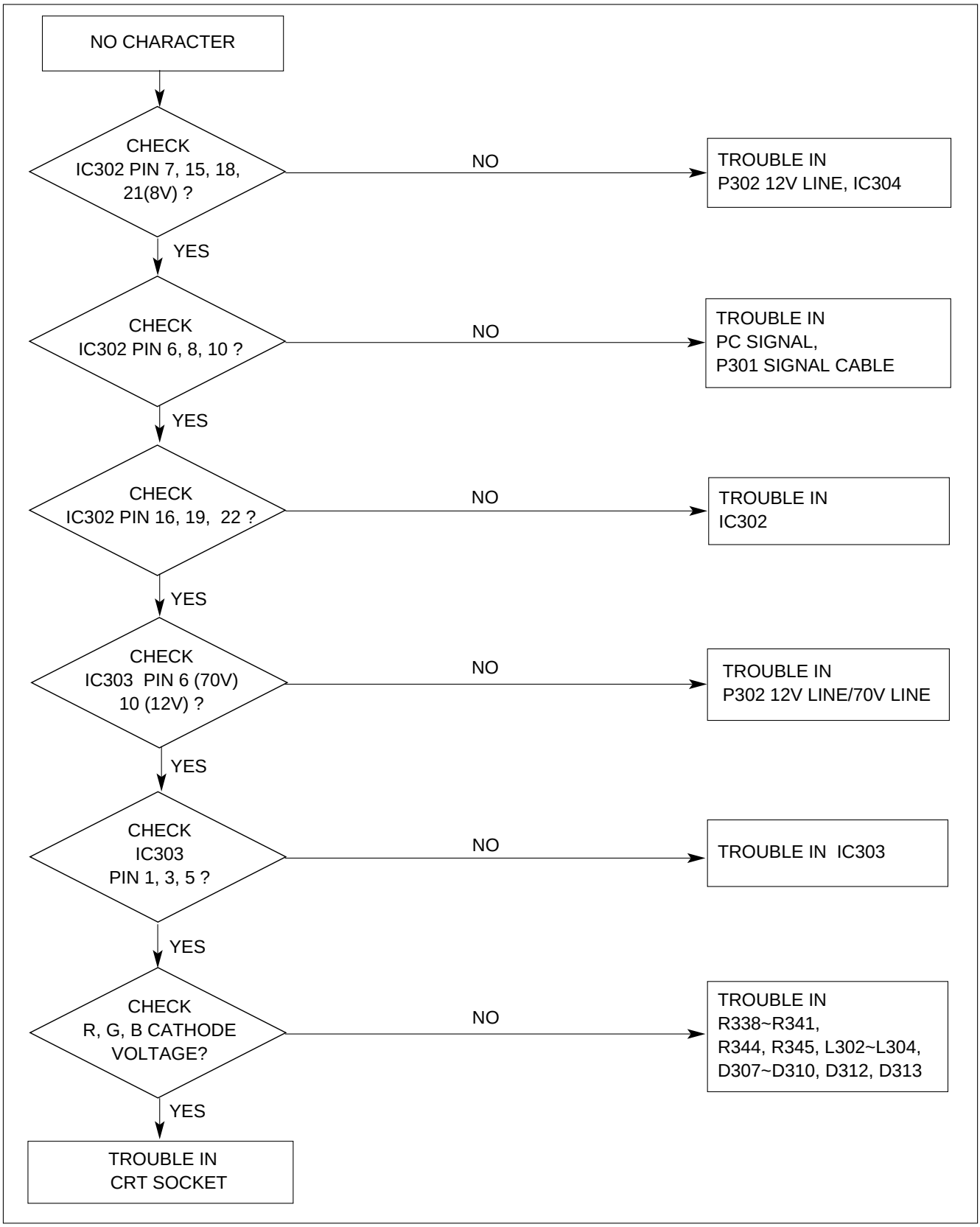
Figure 1. Cable Connection

TROUBLESHOOTING GUIDE

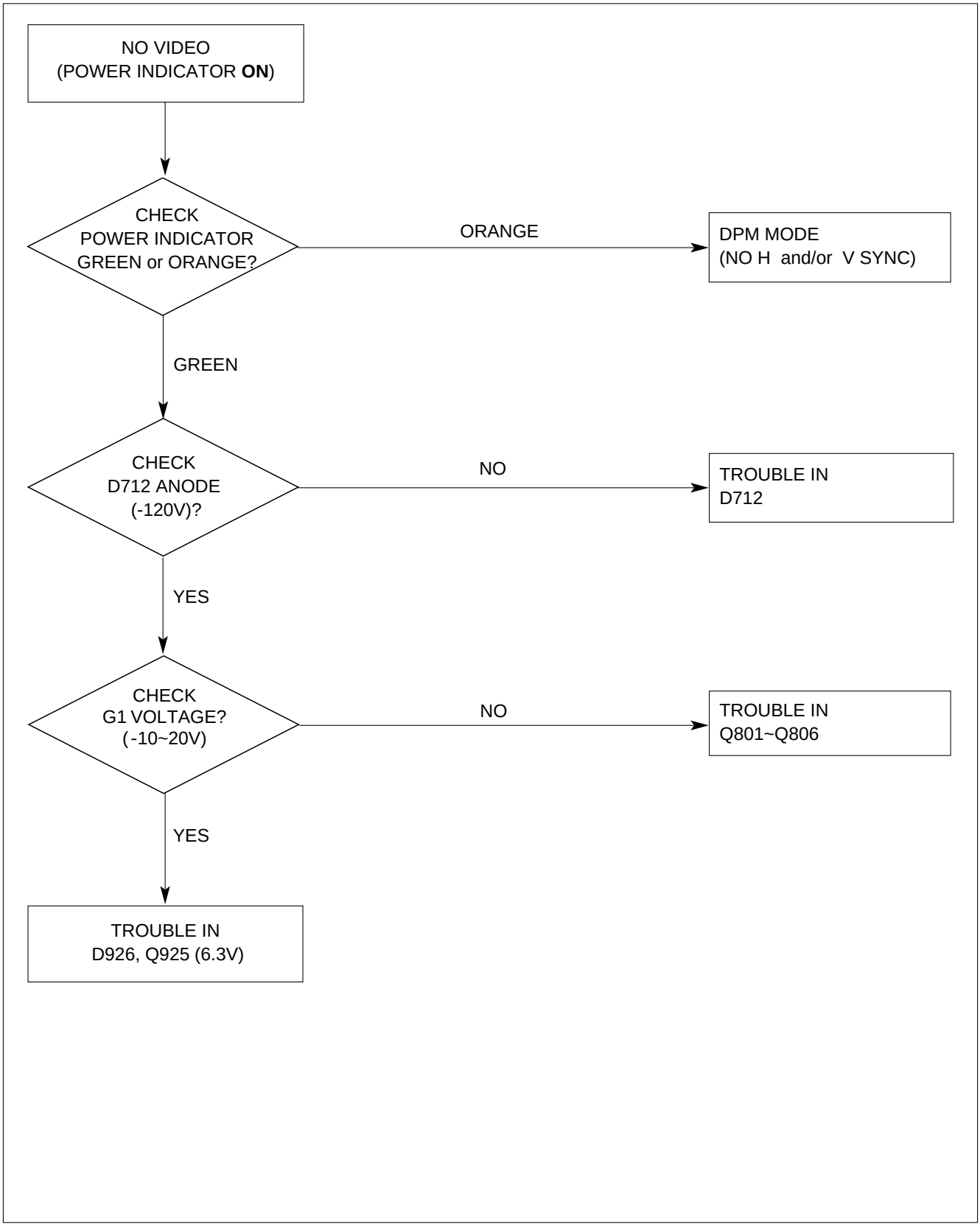
1. NO POWER



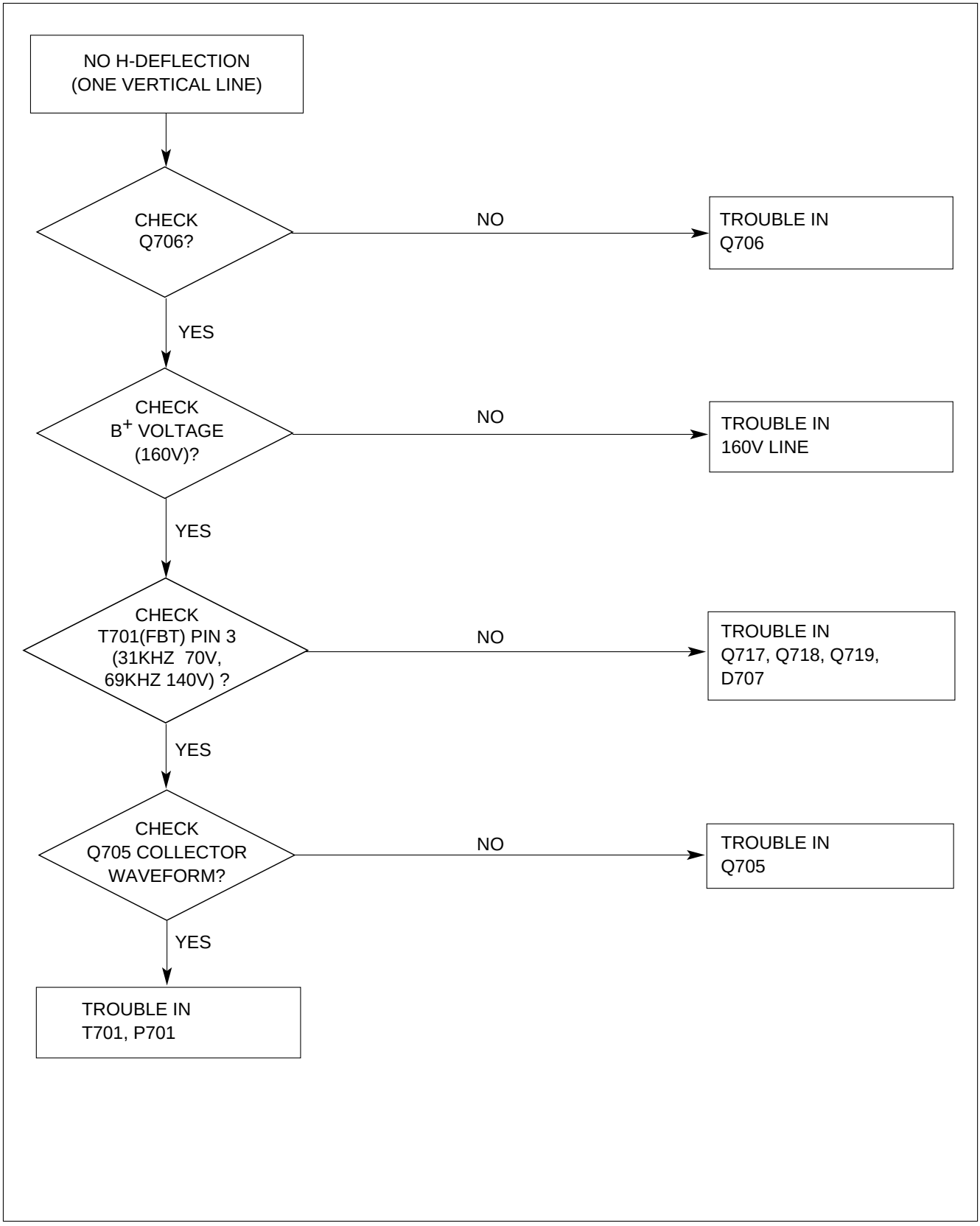
2. NO CHARACTER



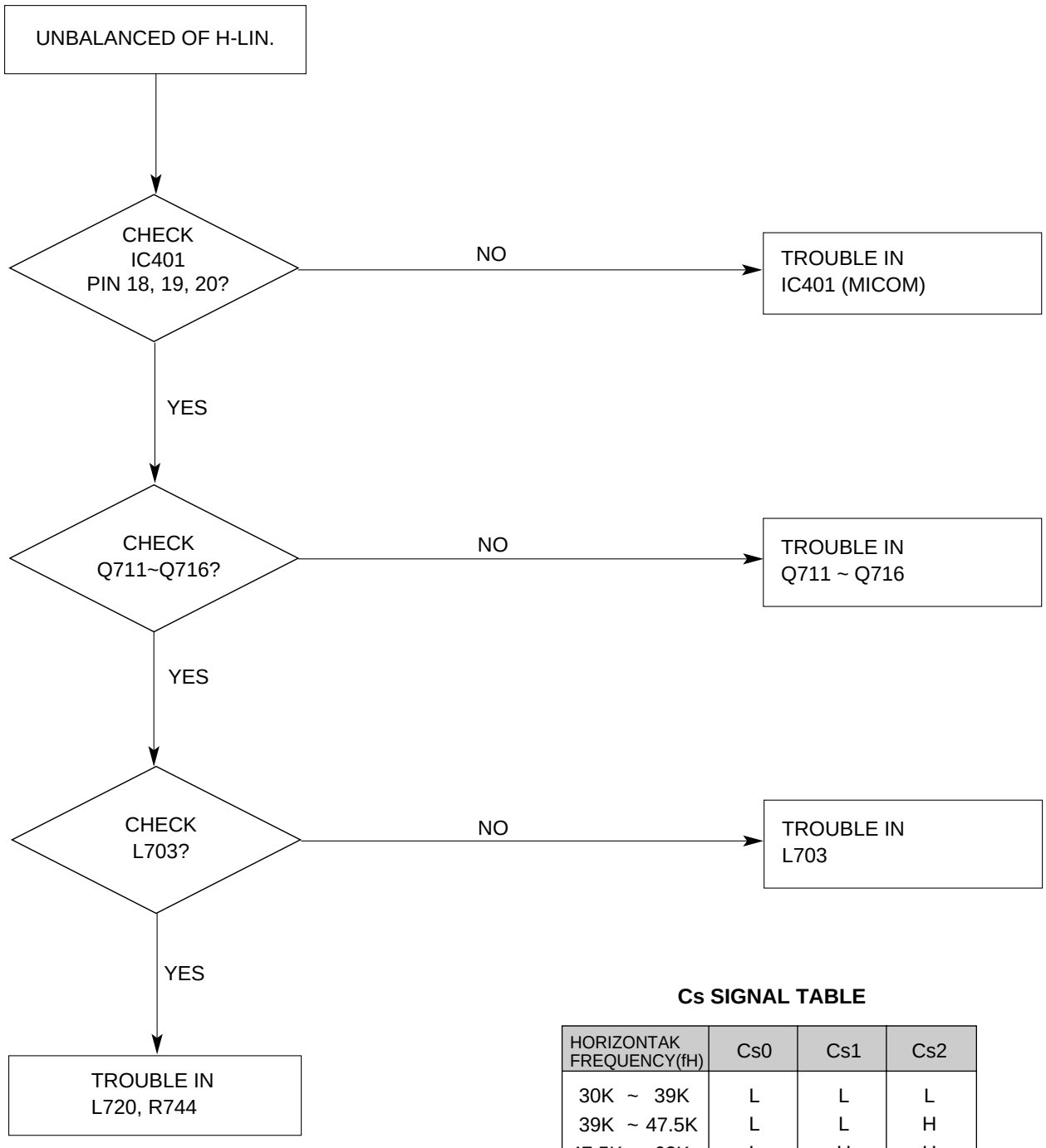
3. NO RASTER


NO VIDEO
(POWER INDICATOR **ON**)
CHECK
POWER INDICATOR
GREEN or ORANGE?
ORANGE
DPM MODE
(NO H and/or V SYNC)
GREEN
CHECK
D712 ANODE
(-120V)?
NO
TROUBLE IN
D712
YES
CHECK
G1 VOLTAGE?
(-10~20V)
NO
TROUBLE IN
Q801~Q806
YES
TROUBLE IN
D926, Q925 (6.3V)

4. NO HORIZONTAL DEFLECTION



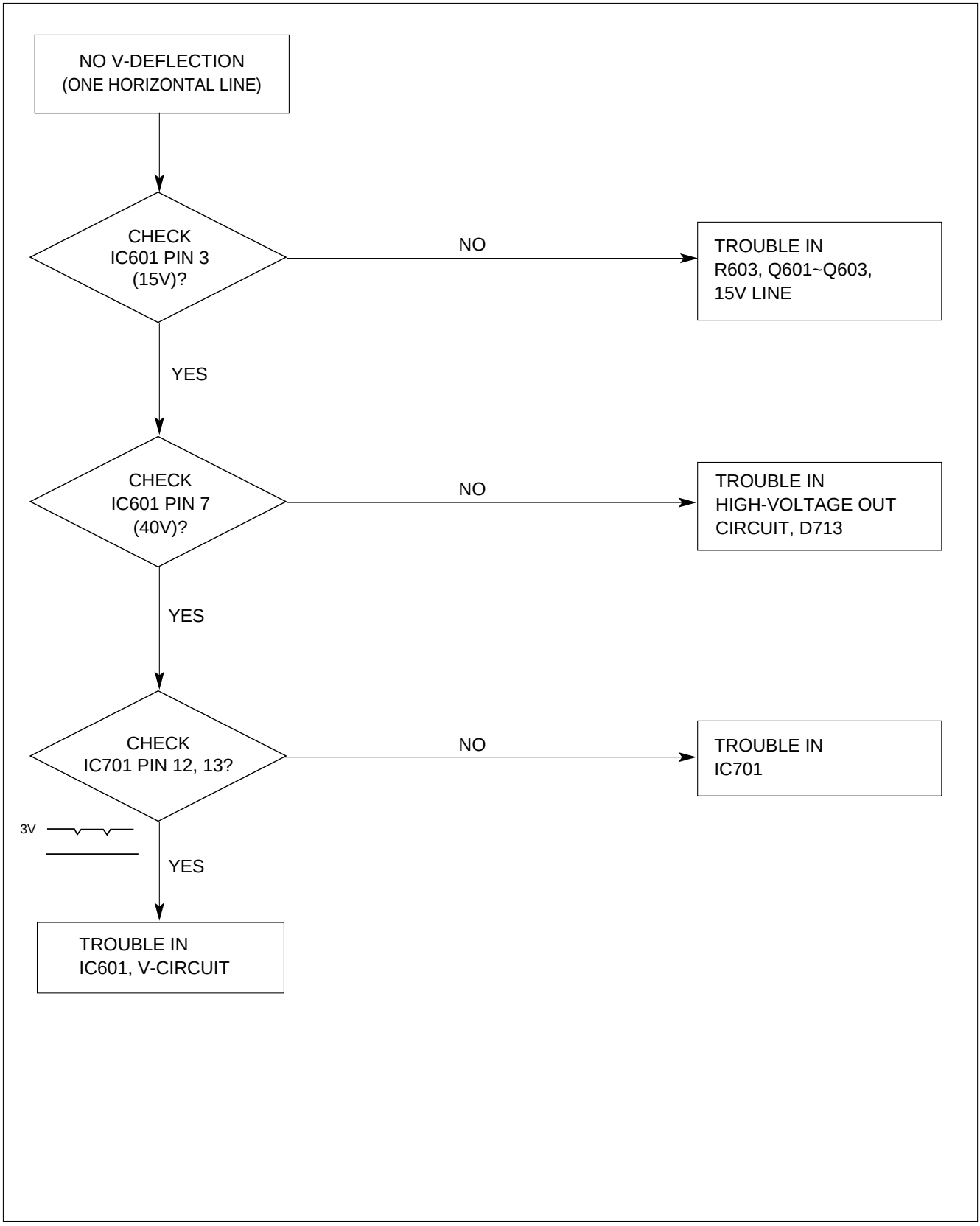
5. TROUBLE IN H-LINEARITY



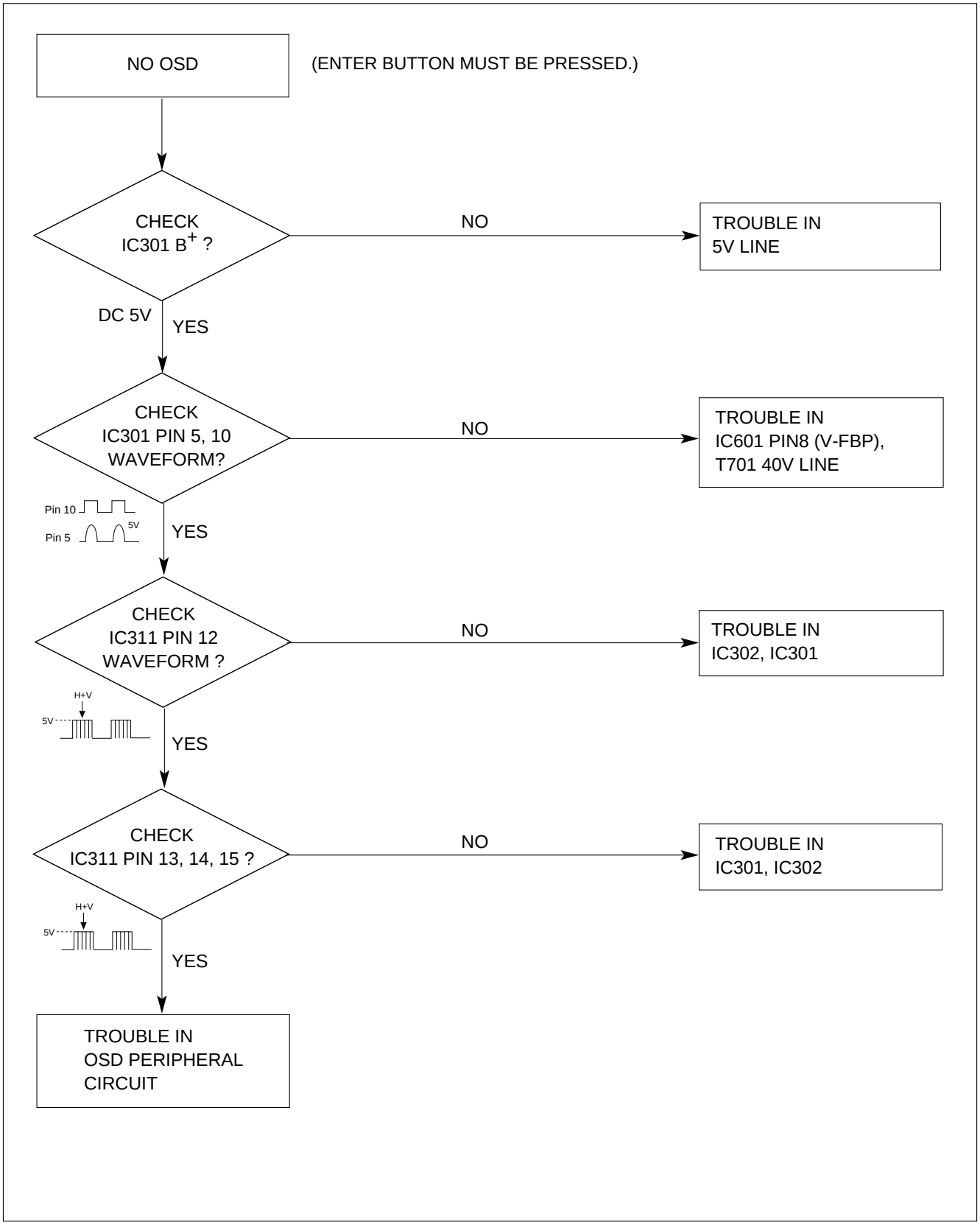
Cs SIGNAL TABLE

HORIZONTAK FREQUENCY(fH)	Cs0	Cs1	Cs2
30K ~ 39K	L	L	L
39K ~ 47.5K	L	L	H
47.5K ~ 62K	L	H	H
62K ~ 70K	H	H	H

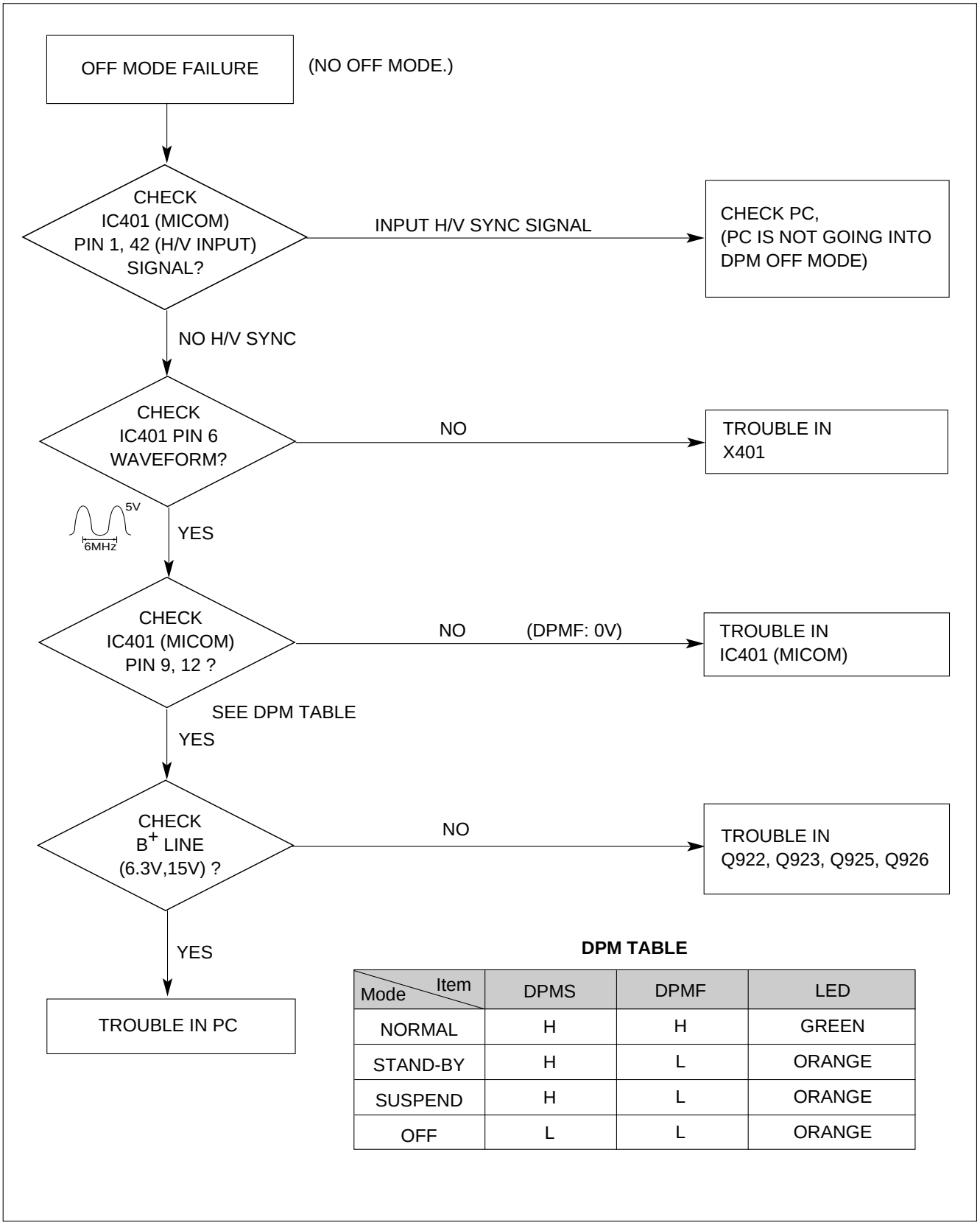
6. NO VERTICAL DEFLECTION



7. TROUBLE IN OSD



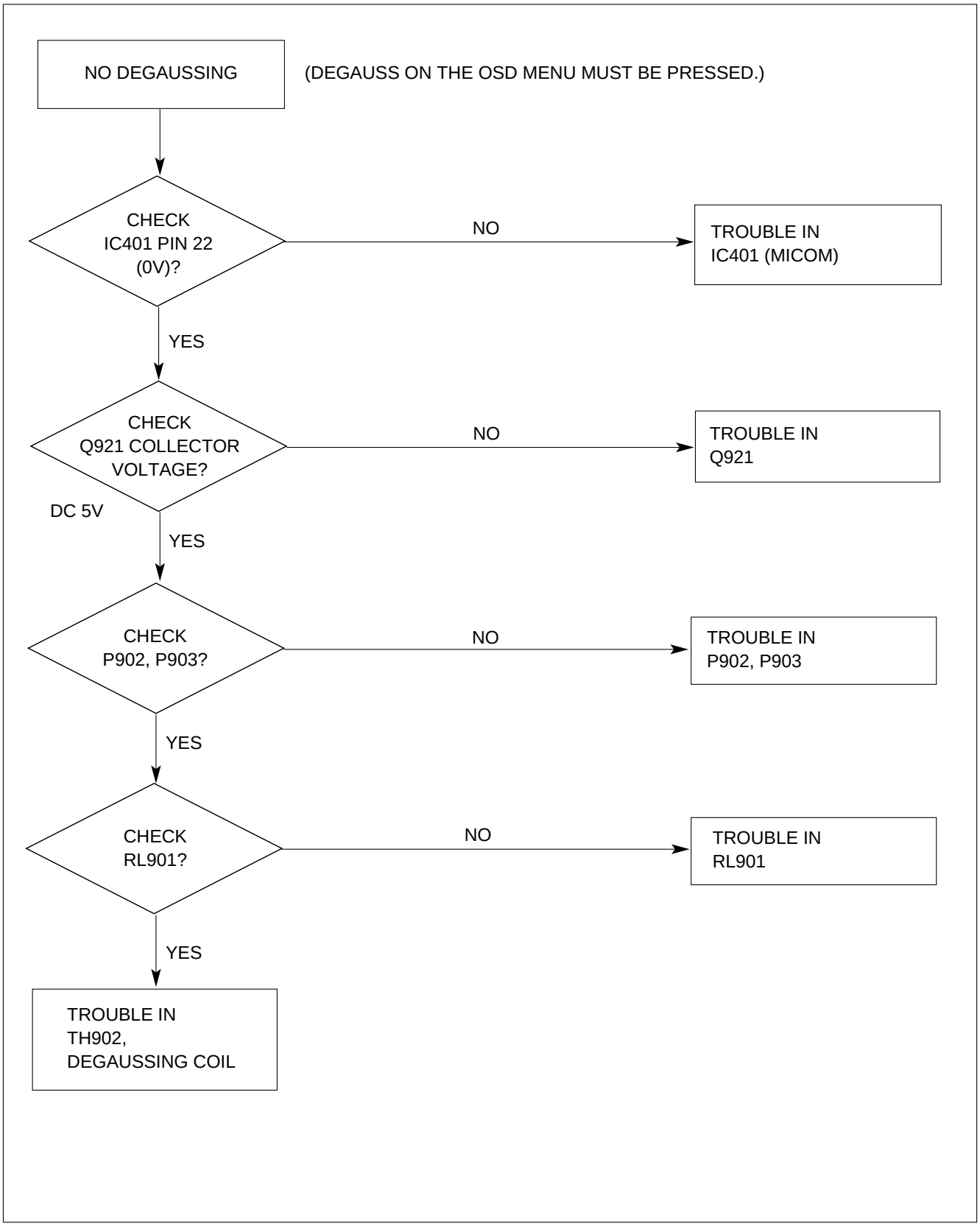
8. TROUBLE IN DPM



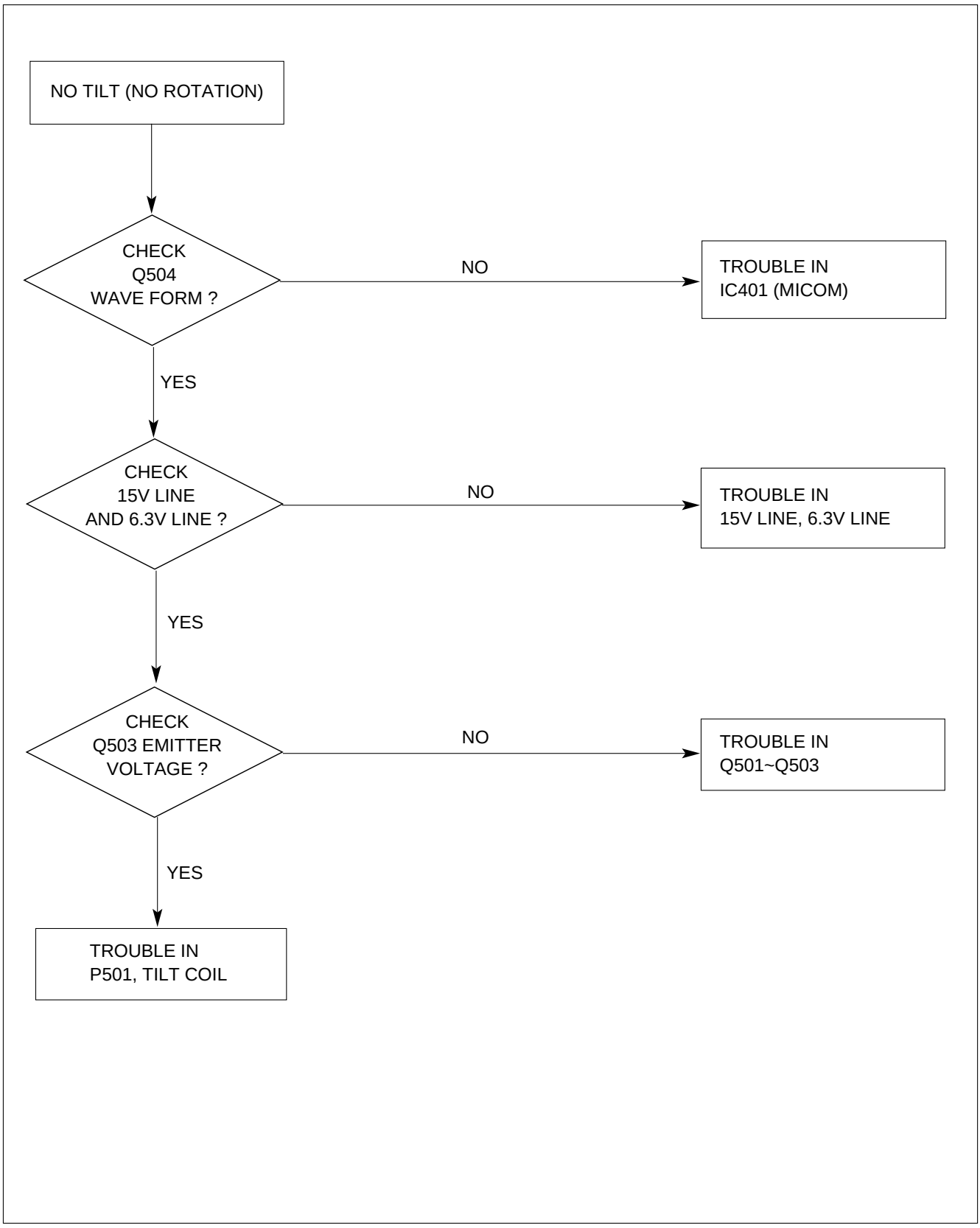
DPM TABLE

Mode \ Item	DPMS	DPMF	LED
NORMAL	H	H	GREEN
STAND-BY	H	L	ORANGE
SUSPEND	H	L	ORANGE
OFF	L	L	ORANGE

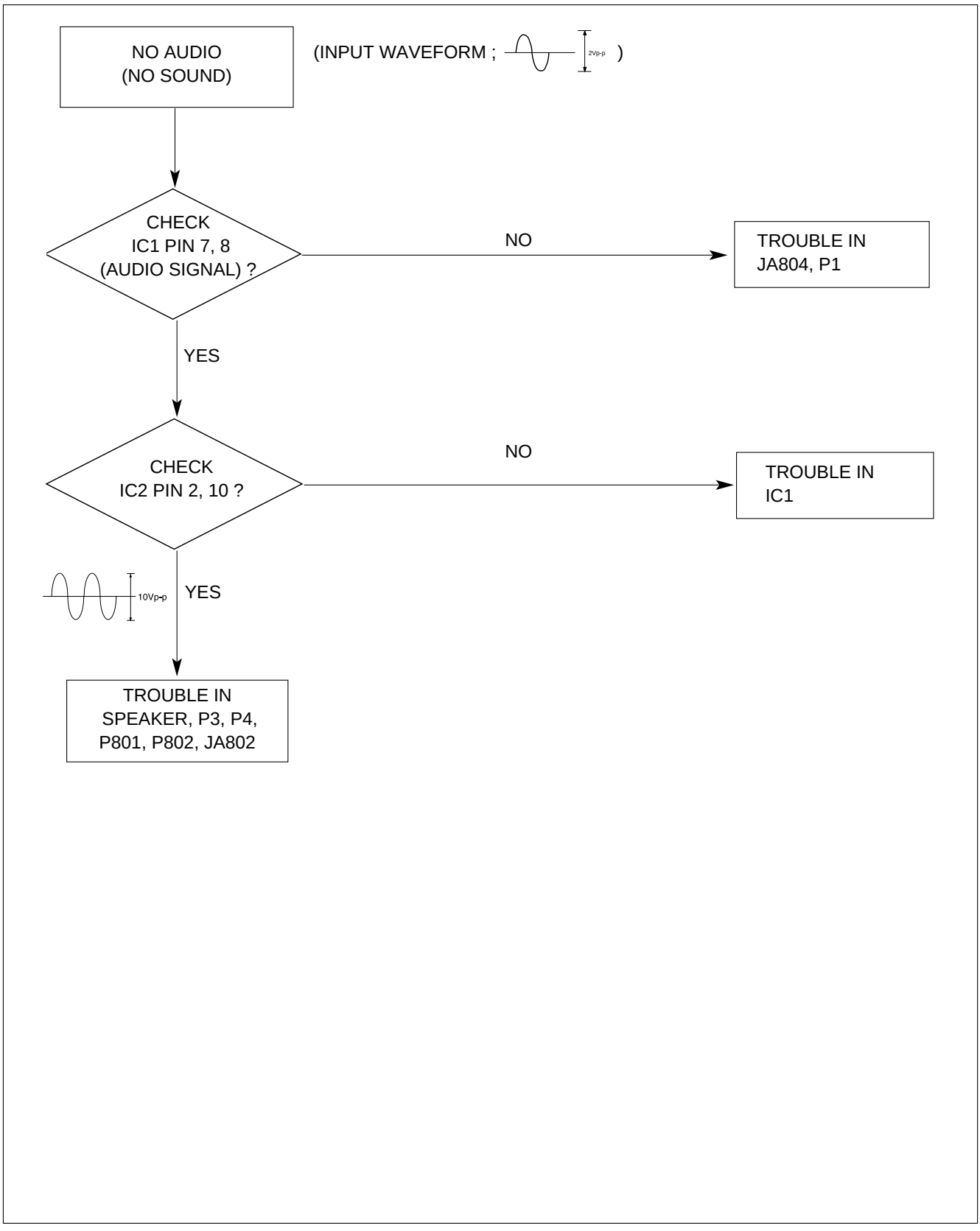
9. NO DEGAUSSING



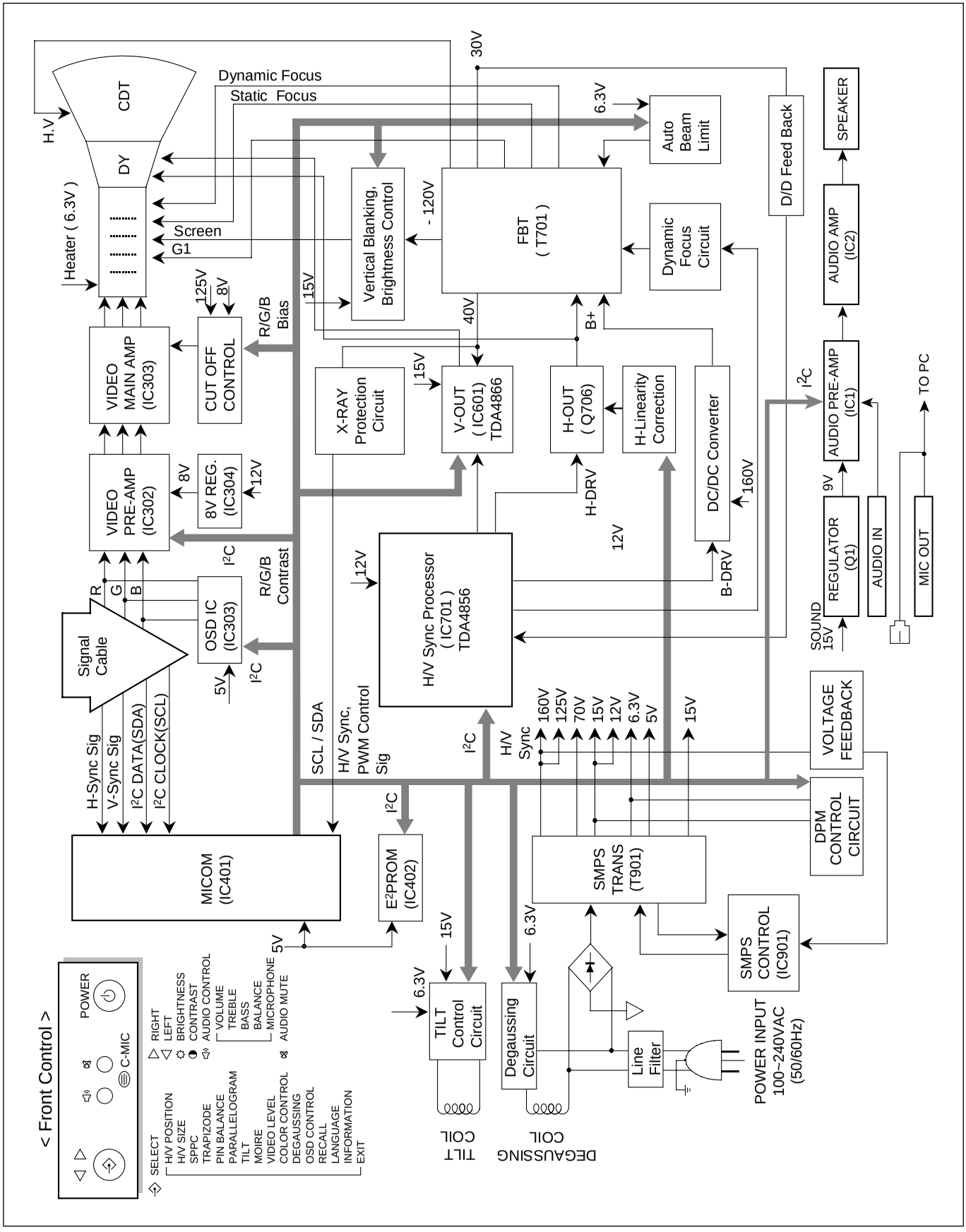
10. NO TILT (NO ROTATION)



11. TROUBLE IN AUDIO



BLOCK DIAGRAM



DESCRIPTION OF BLOCK DIAGRAM

1. Line Filter & Associated Circuit.

This is used for suppressing noise of power input line flowing into the monitor and/or some noise generated in this monitor flowing out through the power input line. That is to say, this circuit prevents interference between the monitor and other electric appliances.

2. Degauss Circuit & Coil.

The degauss circuit consists of the degaussing coil, the PTC(Positive Temperature Coefficient) thermistor(TH901), and the relay(RL901). This circuit eliminates abnormal color of the screen automatically by degaussing the shadow mask in the CRT during turning on the power switch. When you need to degauss in using the monitor, select DEGAUSS on the OSD menu.

3. SMPS(Switching Mode Power Supply).

This circuit is working of 90~264V AC(50/60Hz).
The operation procedure is as follows:

1) AC input voltage is rectified and smoothed by the bridge diodes (D901~D904) and the capacitor (C907).
2) The rectified voltage(DC) is applied to the primary coil of the transformer(T901).
3) The control IC(IC901) generates switching pulse to turn on and off the primary coil of the transformer (T901) repeatedly.
4) Depending on turn ratio of the transformer, the secondary voltages appear at the secondary coils of the transformer(T901).
5) These secondary voltages are rectified by each diode(D902, D922~D924, D926, D927) and operate other circuit. (horizontal and vertical deflection, video amplifier, sound, ...etc.)

4. X-ray Protection.

If the high voltage of the FBT reaches up to 29kV (abnormal state), Q807 operates and IC401(MICOM) pin 11 come to low level. Then MICOM control IC701 (Deflection controller) to stop Horizontal drive pulse and stop Horizontal Deflection.

5. Micom(Microprocessor) Circuit.

The operating procedure of Micom(Microprocessor) and its associated circuit is as follows:

1) H and V sync signal is supplied from the signal cable.
2) The Micom(IC401) distinguishes polarity and frequency of H and V sync.
3) The Micom sets operating mode and offers the controlled data. (H-size, H-position, V-size, ... etc.)
4) The controlled data of each mode is stored in itself.
5) User can adjust screen condition by each OSD function. The data of the adjusted condition is stored in EEPROM(IC402).
6) Users can control screen condition by the OSD, Select, Right, Left, Audio, Audio Mute buttons, and Brightness, Contrast volume.

6. Horizontal and Vertical Oscillation.

This circuit generates the horizontal pulse and the vertical pulse by taking the H and V sync signal.
This circuit consists of the TDA4856(IC701) and the associated circuit.

7. Oscillating Circuit for D/D Converter.

This circuit generates the saw-tooth wave which has the horizontal period by taking output of the TDA4856(IC701).

8. D/D(DC to DC) Converter.

This circuit supplies DC voltage to the horizontal deflection output circuit by decreasing DC 160V which is the secondary voltage of the SMPS in accordance with the input horizontal sync signal.

9. Side-Pincushion & Trapezoid Correction Cirucit.

This circuit improves the side-pincushion and the trapezoid distortion of the screen by mixing parabola and saw-tooth wave to output of the horizontal deflection D/D converter which is used for the supply voltage(B^+) of the deflection circuit.

10. Horizontal Deflection Output Circuit.

This circuit makes the horizontal deflection by supplying the saw-tooth current to the horizontal deflection yoke.

11. High Voltage Output & FBT(Flyback Transformer).

The high voltage output circuit is used for generating pulse to the primary coil of the FBT(Flyback Transformer (T701)). A boosted voltage(about 26kV) appears at the secondary of the FBT and it is supplied to the anode, focus, and screen voltage of the CRT.

12. H-Linearity Correction Circuit.

This circuit corrects the horizontal linearity for each horizontal sync frequency.

13. Vertical Output Circuit.

This circuit takes the vertical ramp wave from the TDA4856(IC701) and performs the vertical deflection by supplying the saw-tooth current to the vertical deflection yoke.

14. Dynamic Focus Output Circuit.

This circuit takes the horizontal and the vertical parabola waves from the TDA4856(IC701) and amplifies it to maintain constant focus on center and corners in the screen.

15. Audio Circuit

MIC circuit sends the microphone sound to PC.

The sound circuit get to the audio gain with the pre-amp (IC1) and the main amp (IC2).

16. H & V Blanking and Brightness Control.

Blanking circuit eliminates retrace line by supplying negative pulse to the G1 of the CRT. And Brightness circuit is used for control of the screen brightness by changing DC level of the G1.

17. Image Rotation (Tilt) Circuit.

This circuit corrects the tilt of the screen by supplying the image rotation signal to the tilt coil which is attached near the deflection yoke of the CRT.

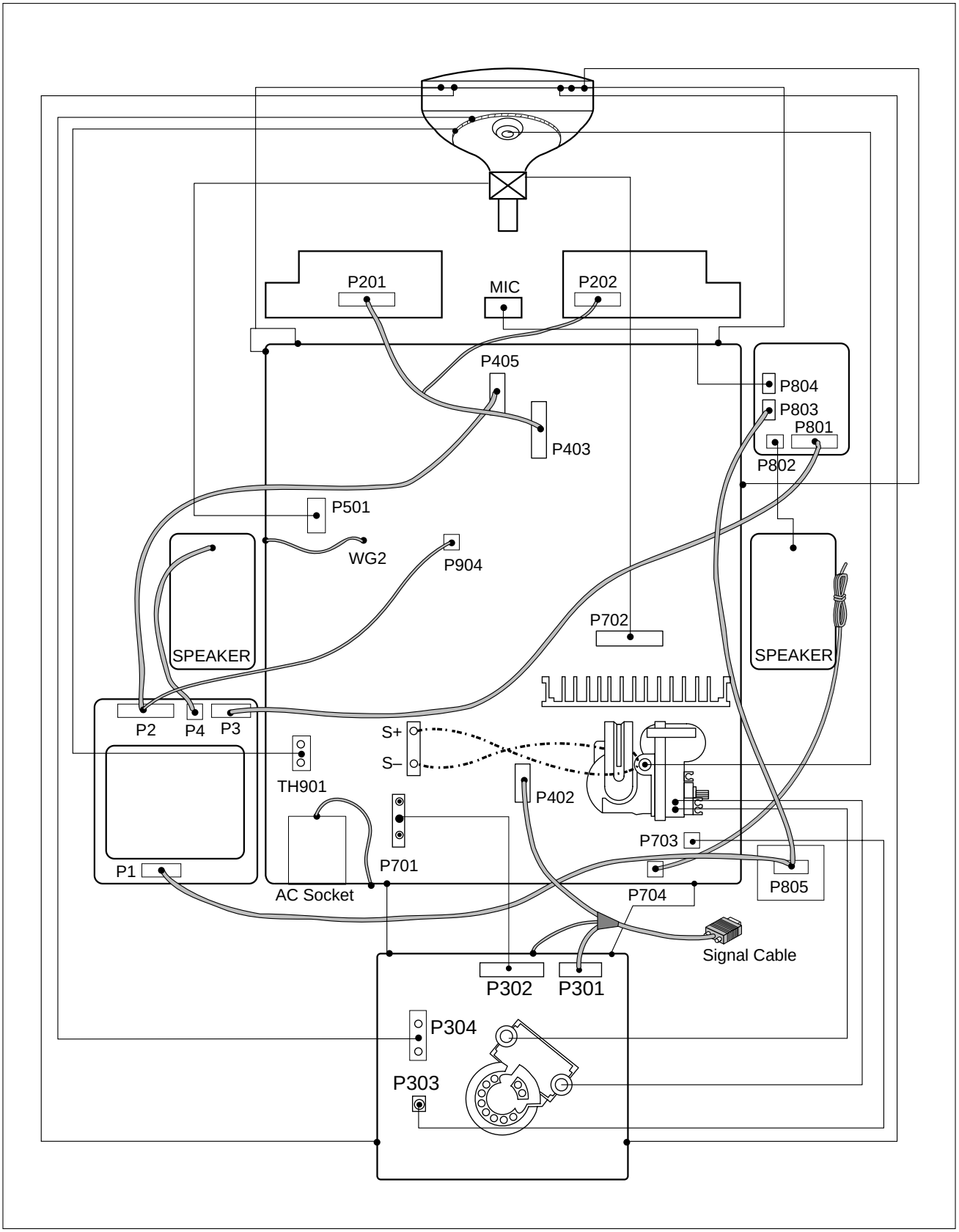
18. Video Pre-Amp Circuit.

This circuit amplifies the analog video signal from 0-0.7V to 0-4V. It is operated by taking the clamp, R, G, B drive and contrast signal from the Micom(IC401).

19. Video Output Amp Circuit.

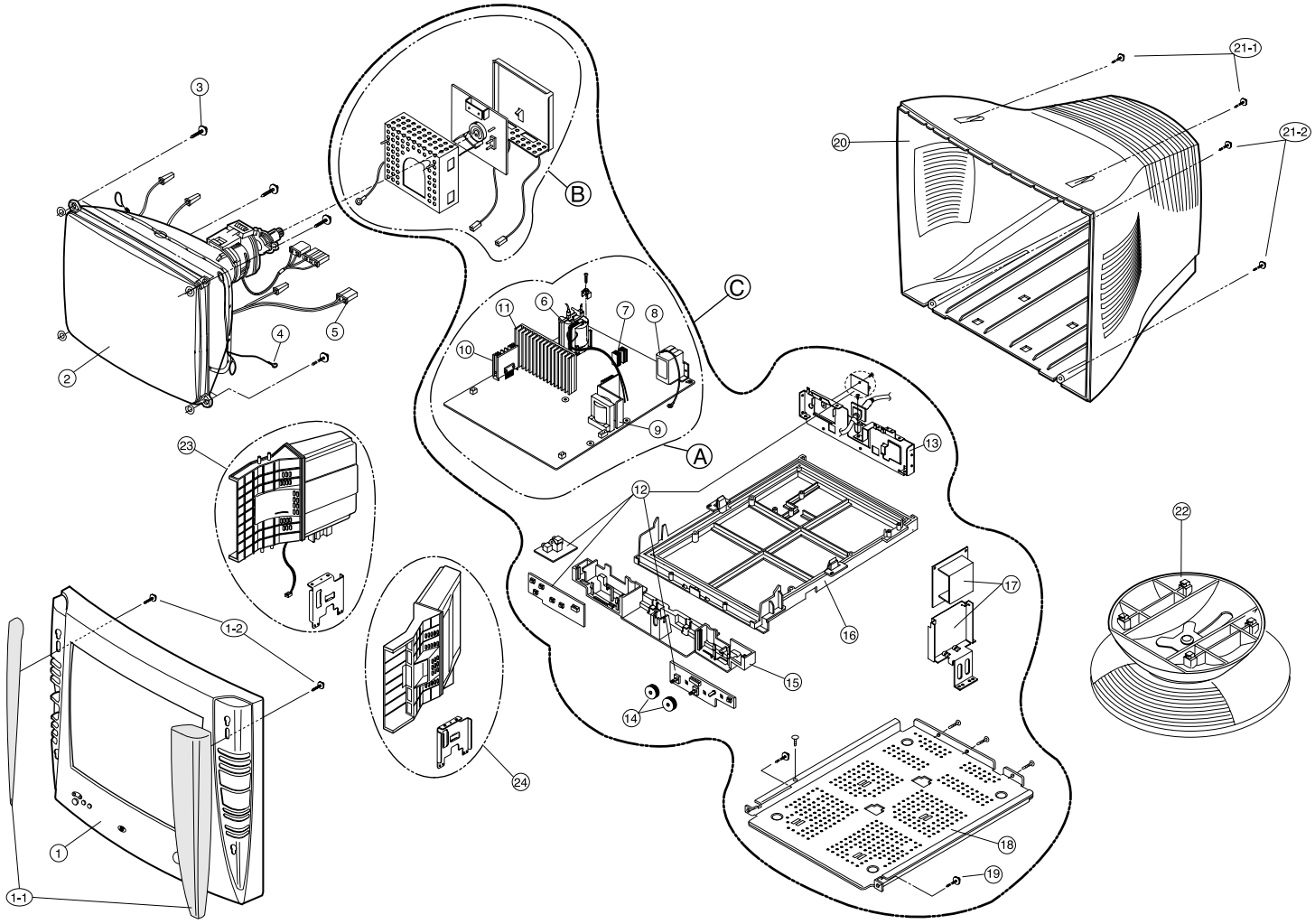
This circuit amplifies the video signal which comes from the video pre-amp circuit and amplified it to applied the CRT cathode.

WIRING DIAGRAM



MB776B SCHEMETIC DIAGRAM 3854T17039A 1999/07/16

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

Ref. No.	Part No.	Description	Q'ty	Material
1	3091TKC002U	CABINET ASS'Y, LG, S/W 77S (TCO)	1	LGC ABS AF303G UL94-5V
	3091TKC002V	CABINET ASS'Y, LG, S/W 77M (MPR-II)		
1-1	3551TKS012D	COVER ASS'Y, GRILLE (R/L) (TCO-95)	1	LGC ABS AF303S UL94-V0
	3551TKS012C	COVER ASS'Y, GRILLE (R/L) (MPR-II)		
1-2	332-102D	SCREW, PTP+4x14 (MSWR/FZMY)	2	
2	2423GC0B91V	CDT, M41LFQ913x46NLHD (TCO)	1	
	2423GC0B89Z	CDT, M41LFQ803x46NLAA (MPR-II)		
3	339-002H	SCREW, PHP+5x20+GW18	4	
4	6868T17003C	CDT EARTH	1	
5	6140TC3001A	DEGAUSSING COIL	1	
6	6174Z-1012B	FBT	1	AL (t=2.0)
7	407-S29H	PLATE, HEAT SINK FOR Q719	1	
8	6200TJB001D	FILTER, AC SOCKET	1	AL (t=2.0)
9	407-T73D	PLATE, HEAT SINK FOR IC901	1	AL
10	407-T98M	PLATE, HEAT SINK FOR IC601	1	AL
11	4920TKC003N	COMPRESS, HEAT SINK FOR D704, Q709, Q706	1	
12	6871TST124B	PCB ASS'Y, (CONTROL) SUB TOTAL (TCO-95)	1	
	6871TST124C	PCB ASS'Y, (CONTROL) SUB TOTAL (MPR-II)		
13	4810TKK059A	BRACKET, SIGNAL	1	
14	4940TKC003B	KNOB, CONTROL ROTARY	2	LGC ABS AF303S UL94-V0
15	4810TKV003B	BRACKET, VOLUME (TCO-95)	1	LGC ABS AF303S UL94-V0
	4810TKV003A	BRACKET, VOLUME (MPR-II)		
16	4810TKM004C	BRACKET, MAIN (TCO-95)	1	LGC ABS AF303S UL94-V0
	4810TKM004B	BRACKET, MAIN (MPR-II)		
17	6871TST126B	PCB ASS'Y, AUDIO (TCO-95)	1	
	6871TST126C	PCB ASS'Y, AUDIO (MPR-II)		
18	340-714B	BRACKET, BOTTOM SHELD	1	SBHG1-A (t=1.0)
19	332-102F	SCREW, PTP+4x20	2	
20	3809TKC001L	BACK COVER ASS'Y (TCO-95)	1	LGC ABS AF303G UL94-5V
	3809TKC001K	BACK COVER ASS'Y (MPR-II)		
21-1	332-102H	SCREW, PTP+4x40	2	
21-2	332-102F	SCREW, PTP+4x20	2	
22	3043TKK004G	TILT SWIVEL ASS'Y	1	LGC HIPS 60HR UL94-HB
23	3551TKS014B	SPEAKER ASS'Y (LEFT) (TCO-95)	1	
	3551TKS014A	SPEAKER ASS'Y (LEFT) (MPR-II)		
24	3551TKS013B	SPEAKER ASS'Y (RIGHT) (TCO-95)	1	
	3551TKS013A	SPEAKER ASS'Y (RIGHT) (MPR-II)		
A	6871TMT121B	PCB ASS'Y, MAIN TOTAL (TCO-95)	1	
	6871TMT121C	PCB ASS'Y, MAIN TOTAL (MPR-II)		
B	6871TVT116B	PCB ASS'Y, VIDEO TOTAL	1	
C	3141TZZ045B	CHASSIS ASS'Y, MAIN TOTAL (TCO-95)	1	
	3141TZZ045C	CHASSIS ASS'Y, MAIN TOTAL (MPR-II)		

REPLACEMENT PARTS LIST

CAUTION: BEFORE REPLACING ANY OF THESE COMPONENTS,
READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.
* NOTE : **S** SAFETY Mark ⚠
AL ALTERNATIVE PARTS

MODEL: StudioWorks 77M DATE: 1999. 8. 1.

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		MAIN BOARD			
		CAPACITORs			
		C401	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C402	0CC2200K405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 22P 50V J SL TP	
		C403	0CC2200K405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 22P 50V J SL TP	
		C404	0CK2210K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 220P 50V K B TS	
		C405	0CK2210K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 220P 50V K B TS	
		C406	0CN3310K519	CAPACITOR, TUBULAR(HIGH DIELEC), 330P 50V K B TA52	
		C407	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C408	0CK1010K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 50V K B TR	
		C409	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C411	0CK1010K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 100PF 50V K B TR	
		C412	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C413	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C501	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C502	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C503	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C601	0CE477CH618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 25V M FL TP5	
		C602	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C603	0CE476EN618	CAPACITOR, AL.ELECTROLYTIC, 47UF KMG 100V M FL TP 5	
		C604	181-288P	CAPACITOR, POLYESTER, MKT 100V 153JTR PHS86153	
		C606	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C701	181-288R	CAPACITOR, POLYESTER, MKT 100V 123JTR PHS86123	
		C702	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C703	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C704	0CZZTFT001F	CAPACITOR, ECQB1H332JM3 332J 50V TP5.0 MATSUSHITA	
		C705	0CQ1031N419	CAPACITOR, POLYESTER, 0.01U 100V J POLY NI TP	
		C706	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C707	0CZZTFT002B	CAPACITOR, ECQV1H154JZ3 154J 50V TP5.0 MATSUSHITA	
		C708	0CE108CF618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FL TP5	
		C709	0CK8210W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 820P 500V K B TS	
		C710	0CE3366K618	CAPACITOR, AL.ELECTROLYTIC, 33M SMS 50V M FM(5) TP(5)	
		C711	0CZZTFT001D	CAPACITOR, ECQB1H222JM3 222J 50V TP5.0 MATSUSHITA	
		C712	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C713	0CC2210K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 220P 50V J NPO TP	
		C714	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C715	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C716	0CZZTFT002B	CAPACITOR, ECQV1H154JZ3 154J 50V TP5.0 MATSUSHITA	
⚠		C717	0CBZTBU004H	CAPACITOR, POLYPROPYLENE, 5600PF D 2.5KV H M/PP NI FM20	
		C718	0CBZTBU003H	CAPACITOR, POLYPROPYLENE, 362J 20.0*12.0*7.0*10.0 800V J BUP FM10	
		C719	0CZZTAB001A	CAPACITOR, SM-BP(P)/BP 10UF 50V 13*25 BK5	
		C720	0CK8210W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 820P 500V K B TS	
		C721	181-477L	CAPACITOR, POLYPROPYLENE, 682J 19.5*12.0*7.0*7.5 250V J PU TP7.5	
		C722	181-303G	CAPACITOR, POLYPROPYLENE, 334J 31.0*22.0*15.0*20.0 250V J PU FM20	
		C723	181-305M	CAPACITOR, POLYPROPYLENE, 824J 26.0*21.5*13.0*15.0 250V J MPP FM15	
		C724	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C725	181-288D	CAPACITOR, POLYESTER, MKT 100V 473JTR PHS26473	
		C726	181-482W	CAPACITOR, POLYPROPYLENE, 304J 19.0*18.5*10.5*7.5 250V J MPP TP7.5	
		C727	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C728	0CE3344K638	CAPACITOR, AL.ELECTROLYTIC, 0.33UF SRA,SS 50V M FM5 TP 5	
		C729	181-482C	CAPACITOR, POLYPROPYLENE, 154J 18.0*14.0*8.0*7.5 250V J MPP TP7.5	
		C730	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C732	181-477U	CAPACITOR, POLYPROPYLENE, 333J 19.5*13.0*7.5*7.5 250V J PU TP7.5	
		C733	0CE476CQ618	CAPACITOR, AL.ELECTROLYTIC, 47U SHL 200V M FL TP5	
		C734	181-310A	CAPACITOR, AL.ELECTROLYTIC, 10UF SM-BP(D) 5*11 16V M RADIAL TP5	
		C735	0CE107CP618	CAPACITOR, AL.ELECTROLYTIC, 100U SHL 160V M FL TP5	
		C736	0CQ1831N419	CAPACITOR, POLYESTER, 0.018UF 100V J PE NI TP	
		C737	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		C738	0CE1076K618	CAPACITOR, AL.ELECTROLYTIC, 100U SMS 50V M FM5 TP5	
		C739	0CE476CN618	CAPACITOR, AL.ELECTROLYTIC, 47UF SHL 100V M FL TP5	
		C740	0CE476CP618	CAPACITOR, AL.ELECTROLYTIC, 47U SHL 160V M FL TP5	
		C741	0CE2246K618	CAPACITOR, AL.ELECTROLYTIC, 0.22M SMS 50V M FM5 TP(5)	
		C742	0CZZTFT001M	CAPACITOR, ECQB1H103JM3 103J 50V TP5.0 MATSUSHITA	
		C743	0CK10302945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.01UF 2KV Z F TR	
		C744	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C745	0CE108CH618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FL TP5	
		C746	0CE3344K638	CAPACITOR, AL.ELECTROLYTIC, 0.33UF SRA,SS 50V M FM5 TP 5	
		C747	0CC2210K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 220P 50V J NPO TP	
		C749	0CK56101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 560P 1KV K B TS	
		C750	0CE2256K618	CAPACITOR, AL.ELECTROLYTIC, 2.2U SMS 50V M FM5 TP5	
		C751	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C752	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C753	0CQ5621N419	CAPACITOR, POLYESTER, 5600P 100V J POLY NI TP	
		C754	0CK2710W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 270P 500V K B TS	
		C755	0CK10201515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 1KV K B TS	
		C756	0CK1040K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.1UF 50V Z F TR	
		C757	0CE4766H618	CAPACITOR, AL.ELECTROLYTIC, 47M SMS 25V M FL TP(5)	
		C801	0CE477CF618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 16V M FL TP5	
		C802	0CE4756P618	CAPACITOR, AL.ELECTROLYTIC, 4.7U SMS 160V M FM5 TP5	
		C803	0CE4756P618	CAPACITOR, AL.ELECTROLYTIC, 4.7U SMS 160V M FM5 TP5	
		C804	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C805	0CE1066K618	CAPACITOR, AL.ELECTROLYTIC, 10M SMS 50V M FM5 TP(5)	
		C806	181-288P	CAPACITOR, POLYESTER, MKT 100V 153JTR PHS86153	
		C807	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C900	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C901	0CKZTTA003C	CAPACITOR, CERAMIC (HIGH DIELECTRIC), SC E 472M 14.0FF7 250V TP7.5	
		C907	181-124R	CAPACITOR, AL.ELECTROLYTIC, 220UF SMG(25.4*40) 400V M VNSN BULK	
		C908	181-308V	CAPACITOR, POLYPROPYLENE, 393J 20.0*21.0*13.5*10.0 630V J PU FM10	
		C909	0CK27101515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 270P 1KV K B TS	
		C910	0CE1076H618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 25V M FM5 TP(5)	
		C911	0CK8210W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 820P 500V K B TS	
⚠		C913	0CKZTTA003C	CAPACITOR, CERAMIC (HIGH DIELECTRIC), SC E 472M 14.0FF7 250V TP7.5	
		C920	0CK10201515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 1KV K B TS	
		C921	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C922	0CE227CQ650	CAPACITOR, AL.ELECTROLYTIC, 220UF SHL 200V M FM7.5 BULK	
		C923	0CE107CN618	CAPACITOR, AL.ELECTROLYTIC, 100UF SHL 100V M FL TP5	
		C925	0CE108CH618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 25V M FL TP5	
		C926	0CE108CF618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FL TP5	
		C927	0CE1056P618	CAPACITOR, AL.ELECTROLYTIC, 1U SMS 160V M FM5 TP5	
		C929	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C930	0CE477CF618	CAPACITOR, AL.ELECTROLYTIC, 470UF SHL 16V M FL TP5	
		C931	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C932	0CC8200K415	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 82P 50V J NP0 TP	
		C934	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C935	0CE228EH630	CAPACITOR, AL.ELECTROLYTIC, 2200UF KMG 25V M FM5 BULK	
	DIODEs				
		D401	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D501	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D502	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D701	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D702	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D703	0DR400500AA	DIODE, RECTIFIER, SB40-05J BK SANYO TO-220ML 50V 4A 80A 40NS 0.2MA	
		D704	0DD300000AB	DIODE, RECTIFIER, FMP-3FU BK SANKEN TO3PF 1500V 5A 50A 0.7US 50UA	
		D705	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D706	0DR359150AA	DIODE, RECTIFIER, BY359F-1500 BK PHILIPS SOD100 1500V 10A 60A 0.6U	
		D707	0DD200009AJ	DIODE, RECTIFIER, RL2Z V(1) TP SANKEN A-TMD 200V 2A 30A 50NS 50UA	
		D708	0DD100009DE	DIODE, RECTIFIER, RGP10G TP G.I DO204AL 400V 1A 30A 150NS 5UA	
		D711	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D712	0DD100009DE	DIODE, RECTIFIER, RGP10G TP G.I DO204AL 400V 1A 30A 150NS 5UA	
		D713	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A 150NS 5UA	
		D714	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
		D715	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D716	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		D717	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D718	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D723	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D730	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D731	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D732	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D734	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D735	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D736	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D737	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D738	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D801	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D802	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D803	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D804	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D805	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D807	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
⚠		D901	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A 50A 2.0US 300	
⚠		D902	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A 50A 2.0US 300	
⚠		D903	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A 50A 2.0US 300	
⚠		D904	0DR153999AB	DIODE, RECTIFIER, 1N5399GP TP G.I DO204AC 1000V 1.5A 50A 2.0US 300	
		D906	0DD400709CB	DIODE, RECTIFIER, UF4007 TP G.I DO204AL 1000V 1A 30A 75NS 10UA	
⚠		D907	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A 150NS 5UA	
		D910	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D911	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D919	0DR140059DA	DIODE, RECTIFIER, 1N4005TB52 TP LITEON DO41 600V 1A 40A ,SEC 5UA	
		D920	0DD300009AC	DIODE, RECTIFIER, RU3AMV(1) TP SANKEN R-TMD 600V 1.5A 50A 0.4US 10U	
		D921	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D922	0DD200009AH	DIODE, RECTIFIER, RU2AMV(1) TP SANKEN R-TMD 600V 1.1A 20A 0.4US 10U	
		D923	0DD100009DD	DIODE, RECTIFIER, RGP10D TP G.I DO204AL 200V 1A 30A 150NS 5UA	
		D924	0DD540200AA	DIODE, RECTIFIER, UF5402 (19C2-409) BK G.I DO201AD 200V 3A 150A 50	
		D926	0DD150009CB	DIODE, RECTIFIER, RGP15D TP G.I DO204AC 200V 1.5A 50A 150NS 5UA	
		D927	0DD400000AA	DIODE, RECTIFIER, RL4Z BK SANKEN L-TMD6.5 200V 3A 80A 50NS 150UA	
		D928	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D929	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D931	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D936	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		ZD402	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD403	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD404	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD405	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD406	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD407	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD408	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD409	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD410	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD704	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD705	0DZ510009AB	DIODE, ZENER, MTZ5.1B TP ROHM-K DO34 500MW 5.1V 20MA	
		ZD706	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD801	0DZ180009AG	DIODE, ZENER, MTZJ18B TP ROHM-K DO34 500MW 18V 5MA	
		ZD802	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD803	0DZ620009BB	DIODE, ZENER, MTZJ6.2B TP ROHM-K DO34 0.5W 6.2V 5MA .PF	
	ICs				
		IC401	0IZZTSZ050A	IC[HYBRID], MB776B MICOM ASSY	
		IC402	0ISG240860A	IC, SGS-THOMSON, M24C08-BN6 8DIP BK 8K SERIAL IIC BUS EEPROM	
	or	IC402	0IAL240800A	IC, ATMEL, AT24C08 8D EEPROM(8K,IIC)	
		IC601	0IPH486650A	IC, PHILIPS, TDA4866/V5 SIL9P BK VERTICAL DEFLECTION IC	
		IC701	0IPH485600A	IC, PHILIPS, TDA4856 SDIP32 BK IIC DEFLECTION CONT. IC	
		IC901	0ISK665413B	IC, SANKEN, STR-F6654A[LF1351] 5P BK SWITCHING REGULATOR	
⚠		IC902	0ILI817000E	IC, LITEON, LTV-817M B 4P BK PHOTO COUPLER CTR(130-260)	
⚠	or	IC902	0ISH123200B	IC, SHARP, PC123 FY2	
		IC921	0IKE431000B	IC, KEC, KIA431 (TP)	
		IC923	0ISS780500F	IC, SAMSUNG ELECTRONICS, KA7805	
		IC925	0ISS781200F	IC, SAMSUNG ELECTRONICS, KA7812	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
	COILs & COREs				
		BD1	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		BD2	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		BD7	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		BD8	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		FB401	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB402	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB403	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB701	125-155L	CORE (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM	
		FB702	125-022J	CORE (CIRC), BEAD, FERRITE KQ-1 JS 3.5*5.0MM AXIAL62MM	
		FB703	125-155F	CORE (CIRC), BEAD, BFD3580R2FG SAMWHA 3.5*8.0MM RADIAL	
		L702	150-518N	COIL, CHOKE, DR14*20 180UH 0.12*25MM 57.5T	
		L703	150-L05N	COIL, LINEARITY, DR14*15 14*6T 5.6UH 0.12*30MM 17.5T	
		L704	125-155K	CORE (CIRC), BEAD, BFS3550A0FG SAMWHA 3.5*5.0MM AXIAL52MM	
		L705	150-985U	COIL, CHOKE, DR15*25(C:8.5) 3.0MH 0.45MM 235.5T D/D CHOKE	
⚠		L901	6200TLT002A	FILTER(CIRC), LINE, RING 19*6*13H 1.0MH 0.5MM 22T CB770	
	TRANSISTORs				
		Q401	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q401	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q501	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
	or	Q501	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q502	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q502	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q503	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q503	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q504	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q504	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q601	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q602	0TR928009AB	TRANSISTOR, KSA928A-Y TP SAMSUNG TO92L PNP	
	or	Q602	0TR127309AA	TRANSISTOR, KTA1273-Y(KTA966A) TP KEC TO92L PNP	
		Q603	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q704	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q704	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q705	0TR200009AB	TRANSISTOR, KTC200-Y TP KEC TO92 NPN	
		Q706	0TR252700AB	TRANSISTOR, BU2527AX BK PHILIPS SOT339 H-OUT TR	
		Q707	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q707	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q708	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q708	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q709	0TR141300AB	TRANSISTOR, KTD1413 BK KEC TO220IS NPN	
		Q710	0TR130050BA	TRANSISTOR, KSE13005F-A BK SAMSUNG TO220 NPN	
		Q711	0TF650000AA	FET, IRF650A BK SAMSUNG 200V 25A TO220	
		Q712	0TF124000AB	FET, FS12KMA-4A BK MITSUBISHI 200V 12A TO220FN	
	or	Q712	0TF630000CA	FET, IRFS630A BK SAMSUNG 200V 6.5A TO220F	
		Q713	0TF124000AB	FET, FS12KMA-4A BK MITSUBISHI 200V 12A TO220FN	
	or	Q713	0TF630000CA	FET, IRFS630A BK SAMSUNG 200V 6.5A TO220F	
		Q714	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q714	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q715	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q715	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q716	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q716	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q717	0TR471009AA	TRANSISTOR, KSD471AC-Y TP SAMSUNG TO92 NPN	
	or	Q717	0TR320209AA	TRANSISTOR, KTC3202-Y(KTC1959) TP KEC TO92 NPN	
		Q718	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q718	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q719	0TF963000BA	FET, SFS9630 BK SAMSUNG -200V -4.4A TO220	
		Q720	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q720	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q721	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q721	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q722	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q722	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q723	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	

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	or	Q723	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q724	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q724	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q725	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q725	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q726	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q729	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q730	0TR564009AB	TRANSISTOR, KSB564AC-YTA TP SANSUNG TO92 PNP	
	or	Q730	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		Q731	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q731	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q801	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q802	0TR101309CC	TRANSISTOR, KSA1013-YTA TP SAMSUNG TO92L PNP	
	or	Q802	0TR127509AC	TRANSISTOR, KTA1275-Y(KTA1013) TP KEC TO92L PNP	
		Q803	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
	or	Q803	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
		Q804	0TR910009AA	TRANSISTOR, KSA910-YTA TP SAMSUNG TO92L PNP	
	or	Q804	0TR102409AB	TRANSISTOR, KTA1024-Y(KTA949) TP KEC TO92L PNP	
		Q805	0TR910009AA	TRANSISTOR, KSA910-YTA TP SAMSUNG TO92L PNP	
	or	Q805	0TR102409AB	TRANSISTOR, KTA1024-Y(KTA949) TP KEC TO92L PNP	
		Q806	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q806	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q807	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q808	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
	or	Q808	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
		Q920	0TR233009AA	TRANSISTOR, KSC2330-O TP SAMSUNG TO92L NPN	
	or	Q920	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q921	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q921	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q922	0TR928009AB	TRANSISTOR, KSA928A-Y TP SAMSUNG TO92L PNP	
	or	Q922	0TR127309AA	TRANSISTOR, KTA1273-Y(KTA966A) TP KEC TO92L PNP	
		Q923	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q923	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q924	0TR233009AA	TRANSISTOR, KSC2330-O TP SAMSUNG TO92L NPN	
	or	Q924	0TR320709AA	TRANSISTOR, KTC3207(KTC2482) TP KEC TO92L NPN	
		Q925	0TR928009AB	TRANSISTOR, KSA928A-Y TP SAMSUNG TO92L PNP	
	or	Q925	0TR127309AA	TRANSISTOR, KTA1273-Y(KTA966A) TP KEC TO92L PNP	
		Q926	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q926	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q928	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
		Q929	0TR114009AB	TRANSISTOR, DTC114ES TP ROHM-K SPT NPN	
	RESISTORs				
		R401	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R402	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R403	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R404	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R405	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R406	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R407	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
		R408	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R409	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R410	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R411	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R413	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R414	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R415	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R416	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R421	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R422	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R423	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R424	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R425	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R427	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R428	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R430	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	

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		R431	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R432	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R433	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R434	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R436	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R439	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R501	0RD0471A609	RESISTOR, FIXED CARBON FILM, 4.7 OHM 1/2 W (7.0) 5% TA52	
		R502	0RD0202A609	RESISTOR, FIXED CARBON FILM, 20 OHM 1/2 W (7.0) 5% TA52	
		R503	0RD8201Q609	RESISTOR, FIXED CARBON FILM, 8.20K 1/4W(3 5% TA52	
		R504	0RD1500Q609	RESISTOR, FIXED CARBON FILM, 150 1/4W(3 5% TA52	
		R505	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R506	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R507	0RD1601Q609	RESISTOR, FIXED CARBON FILM, 1.60K 1/4W(3 5% TA52	
		R508	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R601	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R602	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R603	0RN0390G609	RESISTOR, FIXED METAL FILM, 0.39 1/4W 5 TA52	
		R604	0RD0101A609	RESISTOR, FIXED CARBON FILM, 1 OHM 1/2 W (7.0) 5% TA52	
		R605	0RD0102A609	RESISTOR, FIXED CARBON FILM, 10 OHM 1/2 W (7.0) 5% TA52	
		R606	0RD1000A609	RESISTOR, FIXED CARBON FILM, 100 OHM 1/2 W (7.0) 5% TA52	
		R607	0RN5101F409	RESISTOR, FIXED METAL FILM, 5.10K 1/6W 1% TA52	
		R608	0RD2700A609	RESISTOR, FIXED CARBON FILM, 270 OHM 1/2 W (7.0) 5% TA52	
		R609	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R610	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R611	0RD9100A609	RESISTOR, FIXED CARBON FILM, 910 OHM 1/2 W (7.0) 5% TA52	
		R612	0RN5101F409	RESISTOR, FIXED METAL FILM, 5.10K 1/6W 1% TA52	
		R701	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R702	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R703	0RD1202Q609	RESISTOR, FIXED CARBON FILM, 12K 1/4W(3 5% TA52	
		R704	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R705	0RD1202Q609	RESISTOR, FIXED CARBON FILM, 12K 1/4W(3 5% TA52	
		R706	0RN2701F409	RESISTOR, FIXED METAL FILM, 2.70K 1/6W 1% TA52	
		R707	0RN1801F409	RESISTOR, FIXED METAL FILM, 1.80K 1/6W 1% TA52	
		R708	0RN1101F409	RESISTOR, FIXED METAL FILM, 1.10K 1/6W 1% TA52	
		R709	0RD2202Q609	RESISTOR, FIXED CARBON FILM, 22K 1/4W(3 5% TA52	
		R710	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R711	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R712	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R713	0RD4301Q609	RESISTOR, FIXED CARBON FILM, 4.30K 1/4W(3 5% TA52	
		R714	0RD1502Q609	RESISTOR, FIXED CARBON FILM, 15K 1/4W(3 5% TA52	
		R715	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
		R716	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R717	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
⚠		R718	0RD5102Q509	RESISTOR, FIXED CARBON FILM, 51K OHM 1/4 W (3.4) 2% TA52	
⚠		R719	0RN3601F409	RESISTOR, FIXED METAL FILM, 3.6K 1/6W 1 TA52	
		R720	0RD0471Q609	RESISTOR, FIXED CARBON FILM, 4.70 1/4W(3 5% TA52	
		R721	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R722	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R723	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R724	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R725	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R726	0RX9102J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 91K OHM 1 W 5% TA52	
		R727	0RX0432K607	RESISTOR, SMALL FIX METAL FILM OXIDE, 43 OHM 2 W 5% TA62	
		R728	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R729	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R730	0RD3000A609	RESISTOR, FIXED CARBON FILM, 300 OHM 1/2 W (7.0) 5% TA52	
		R731	0RD0271A609	RESISTOR, FIXED CARBON FILM, 2.7 OHM 1/2 W (7.0) 5% TA52	
		R732	0RD0472A609	RESISTOR, FIXED CARBON FILM, 47 OHM 1/2 W (7.0) 5% TA52	
		R733	0RD6801Q609	RESISTOR, FIXED CARBON FILM, 6.80K 1/4W(3 5% TA52	
		R734	0RD1802Q609	RESISTOR, FIXED CARBON FILM, 18K 1/4W(3 5% TA52	
		R735	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R736	0RN1003F409	RESISTOR, FIXED METAL FILM, 100K 1/6W 1 TA52	
		R737	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R738	0RN1503F409	RESISTOR, FIXED METAL FILM, 150K 1/6W 1% TA52	
		R739	0RN2202F409	RESISTOR, FIXED METAL FILM, 22K 1/6W 1% TA52	
		R740	0RN1503F409	RESISTOR, FIXED METAL FILM, 150K 1/6W 1% TA52	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R741	0RD8202A609	RESISTOR, FIXED CARBON FILM, 82K OHM 1/2 W (7.0) 5% TA52	
		R742	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
		R743	0RD8200Q609	RESISTOR, FIXED CARBON FILM, 820 1/4W(3 5% TA52	
		R744	0RD2200A609	RESISTOR, FIXED CARBON FILM, 220 OHM 1/2 W (7.0) 5% TA52	
		R745	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R746	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R747	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R748	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R749	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R750	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R751	0RD4702Q609	RESISTOR, FIXED CARBON FILM, 47K 1/4W(3 5% TA52	
		R752	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R753	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R754	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R756	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R757	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R758	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R759	0RN0270H609	RESISTOR, FIXED METAL FILM, 0.27 1/2W 5 TA52	
		R760	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R761	0RD1502Q609	RESISTOR, FIXED CARBON FILM, 15K 1/4W(3 5% TA52	
		R762	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R763	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R764	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R765	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R766	0RD8202Q609	RESISTOR, FIXED CARBON FILM, 82K 1/4W(3 5% TA52	
		R767	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R768	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R769	0RN6202F409	RESISTOR, FIXED METAL FILM, 62KOHM 1/6 W 1% TA52	
		R770	971-0016	WIRE, JUMP, TIN HDC 0.60H	
		R771	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R772	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R773	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
⚠		R774	0RD3602Q609	RESISTOR, FIXED CARBON FILM, 36K 1/4W(3 5% TA52	
		R775	0RD8202Q609	RESISTOR, FIXED CARBON FILM, 82K 1/4W(3 5% TA52	
		R777	0RD2703A609	RESISTOR, FIXED CARBON FILM, 270K OHM 1/2 W (7.0) 5% TA52	
		R778	0RD5603A609	RESISTOR, FIXED CARBON FILM, 560K OHM 1/2 W (7.0) 5% TA52	
		R779	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R780	0RX9102J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 91K OHM 1 W 5% TA52	
		R781	0RD2403A609	RESISTOR, FIXED CARBON FILM, 240K OHM 1/2 W (7.0) 5% TA52	
		R782	0RD2002A609	RESISTOR, FIXED CARBON FILM, 20K OHM 1/2 W (7.0) 5% TA52	
		R783	0RD5103Q609	RESISTOR, FIXED CARBON FILM, 510K 1/4W(3 5% TA52	
		R784	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
⚠		R785	0RD3000Q609	RESISTOR, FIXED CARBON FILM, 300 1/4W(3 5% TA52	
		R786	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R787	0RD8202Q609	RESISTOR, FIXED CARBON FILM, 82K 1/4W(3 5% TA52	
		R788	0RD6801Q609	RESISTOR, FIXED CARBON FILM, 6.80K 1/4W(3 5% TA52	
		R789	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R790	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R795	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R796	0RD1303A609	RESISTOR, FIXED CARBON FILM, 130K OHM 1/2 W (7.0) 5% TA52	
		R797	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R798	0RD1202Q609	RESISTOR, FIXED CARBON FILM, 12K 1/4W(3 5% TA52	
		R799	0RD5603A609	RESISTOR, FIXED CARBON FILM, 560K OHM 1/2 W (7.0) 5% TA52	
		R801	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R802	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R803	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R804	0RD3002Q609	RESISTOR, FIXED CARBON FILM, 30K 1/4W(3 5% TA52	
		R805	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R806	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R807	0RD1803Q609	RESISTOR, FIXED CARBON FILM, 180K 1/4W(3 5% TA52	
		R808	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R809	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R810	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R811	0RD1503Q609	RESISTOR, FIXED CARBON FILM, 150K 1/4W(3 5% TA52	
		R812	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R813	0RD5603Q609	RESISTOR, FIXED CARBON FILM, 560K 1/4W(3 5% TA52	

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		R814	971-0016	WIRE, JUMP, TIN HDC 0.60H	
		R815	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
⚠		R816	0RN1102F409	RESISTOR, FIXED METAL FILM, 11K 1/6W 1% TA52	
		R817	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
⚠		R818	0RN1802F409	RESISTOR, FIXED METAL FILM, 18K 1/6W 1% TA52	
		R820	0RD3001Q609	RESISTOR, FIXED CARBON FILM, 3K 1/4W(3 5% TA52	
		R821	0RD2002Q609	RESISTOR, FIXED CARBON FILM, 20K 1/4W(3 5% TA52	
		R822	0RD2201Q609	RESISTOR, FIXED CARBON FILM, 2.20K 1/4W(3 5% TA52	
		R823	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R900	180-465H	RESISTOR, CEMENT, 0.24 OHM 5W 5% B RWR	
		R901	180-465H	RESISTOR, CEMENT, 0.24 OHM 5W 5% B RWR	
⚠		R902	0RMZTWD001A	RESISTOR, CEMENT, 4.7 OHM 5 W 5% B RWR	
⚠		R903	0RD3302A609	RESISTOR, FIXED CARBON FILM, 33K OHM 1/2 W (7.0) 5% TA52	
⚠		R904	0RD3302A609	RESISTOR, FIXED CARBON FILM, 33K OHM 1/2 W (7.0) 5% TA52	
		R905	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R906	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R907	0RB0150J609	RESISTOR, FIX WIRE-WOUND PRECISION, 0.15 OHM 1W 5% TA52	
		R908	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R909	0RD3003Q609	RESISTOR, FIXED CARBON FILM, 300K 1/4W(3 5% TA52	
		R910	0RD1003A609	RESISTOR, FIXED CARBON FILM, 100K OHM 1/2 W (7.0) 5% TA52	
		R911	0RD1003A609	RESISTOR, FIXED CARBON FILM, 100K OHM 1/2 W (7.0) 5% TA52	
		R913	0RN0390G609	RESISTOR, FIXED METAL FILM, 0.39 1/4W 5 TA52	
		R914	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R915	0RD6200Q609	RESISTOR, FIXED CARBON FILM, 620 1/4W(3 5% TA52	
		R916	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R917	0RN0220H609	RESISTOR, FIXED METAL FILM, 0.22 1/2W 5% TA52	
		R918	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R919	0RD3003Q609	RESISTOR, FIXED CARBON FILM, 300K 1/4W(3 5% TA52	
		R920	0RN0220H609	RESISTOR, FIXED METAL FILM, 0.22 1/2W 5% TA52	
		R921	0RD0182A609	RESISTOR, FIXED CARBON FILM, 18 OHM 1/2 W (7.0) 5% TA52	
		R922	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
⚠		R923	0RN7502G409	RESISTOR, FIXED METAL FILM, 75 KOHM 1/4 W 1% TA52	
⚠		R924	0RN6802G409	RESISTOR, FIXED METAL FILM, 68K 1/4W 1 TA52	
		R925	0RN0220H609	RESISTOR, FIXED METAL FILM, 0.22 1/2W 5% TA52	
⚠		R926	0RN2201F409	RESISTOR, FIXED METAL FILM, 2.20K 1/6W 1% TA52	
		R927	0RN0220H609	RESISTOR, FIXED METAL FILM, 0.22 1/2W 5% TA52	
		R928	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R929	0RX4700J609	RESISTOR, SMALL FIX METAL FILM OXIDE, 470 OHM 1 W 5% TA52	
		R930	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R931	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R932	0RD1003Q609	RESISTOR, FIXED CARBON FILM, 100K 1/4W(3 5% TA52	
		R933	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		R934	0RD5603Q609	RESISTOR, FIXED CARBON FILM, 560K 1/4W(3 5% TA52	
		R935	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R936	0RD1503A609	RESISTOR, FIXED CARBON FILM, 150K OHM 1/2 W (7.0) 5% TA52	
		R938	0RD5602Q609	RESISTOR, FIXED CARBON FILM, 56K 1/4W(3 5% TA52	
		R939	0RD0472Q609	RESISTOR, FIXED CARBON FILM, 47 1/4W(3 5% TA52	
		R944	0RN9101F409	RESISTOR, FIXED METAL FILM, 9.10K 1/6W 1% TA52	
		R945	0RD3901Q609	RESISTOR, FIXED CARBON FILM, 3.90K 1/4W(3 5% TA52	
		R990	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
	OTHERs				
⚠		F901	131-040E	FUSE,TIME LAG, 5A 250V HBC UL/CSA TRIAD	
		GR1	336-072B	EYELET, GRIPPER(SAFA) D1.32	
		GR2	336-072B	EYELET, GRIPPER(SAFA) D1.32	
		GR3	336-072B	EYELET, GRIPPER(SAFA) D1.32	
		J25	125-155L	CORE (CIRC), BEAD, BFS3580A0FG SAMWHA 3.5*8.0MM AXIAL52MM	
		J64	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		J91	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		PG1	302-987A	SHIELD, TERMINAL EARTH	
		PG2	302-987A	SHIELD, TERMINAL EARTH	
⚠		RL901	141-040A	RELAY, JW2HN-DC5V MATSUSHITA 250VAC 5A 5V 106MA 47 OHM 2C	
⚠		SC901	6200TJB001D	FILTER(CIRC), EMI, 02ME4E2 DELTA 25MH BLACK	
		SG701	165-004A	SPARK GAP, AG20PT 152F-L3N/S-23 HANDOK RADIAL BULK	
⚠		T701	6174Z-1012B	FBT (FLY BACK TRANSFORMER), FMMTC61	
		T702	6170TCZ002A	TRANSFORMER, HORIZONTAL DRIVER, EE2519,2.9MH D/FOCUS TRANS	

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		T703	6170TCZ001A	TRANSFORMER, SMPS, H-DRIVE,EI2218,3.8MH	
		T901	6170TMZ074A	TRANSFORMER, SMPS, EER4045 195000000H V-18PIN MB776B SI/JS .	
⚠		TH901	6322TB090AA	THERMISTOR, PTC, PT11P62D090Q290 DAEWOO +30%/-20% 264V 85 Y	
⚠		VR701	180-035G	VOLUME, EVN-DJAA03B13 (MEC),1KB	
		VR901	180-035D	VOLUME, EVN-DJAA03B32 (MEC),300B	
		WG2	387-P91A	CONNECTOR ASSY, UL1015 AWG22	
		X401	6202TTB001A	CRYSTAL, HC-49/U SUNNY E 6.000000MHZ 30PPM 16PF BK	
	VIDEO BOARD				
	CAPACITORs				
		C301	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C302	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)	
		C303	0CZZTFT001Z	CAPACITOR, ECQB1H104JM3 104J 50V TP5.0 MATSUSHITA	
		C306	0CZZTFT001X	CAPACITOR, ECQB1H683JM3 683J 50V TP5.0 MATSUSHITA	
		C307	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C308	0CE1076D618	CAPACITOR, AL.ELECTROLYTIC, 100M SMS 10V M FM5 TP(5)	
		C309	0CK2230K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.022UF 50V Z F TR	
		C310	0CN2230H949	CAPACITOR, TUBULAR(HIGH DIELEC), 22000P 25V Z FTA52	
		C311	0CK2230K945	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.022UF 50V Z F TR	
		C312	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C313	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C314	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C315	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C316	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C317	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C318	0CE476CN618	CAPACITOR, AL.ELECTROLYTIC, 47UF SHL 100V M FL TP5	
		C319	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C320	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C321	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C323	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C324	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C325	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C327	181-288G	CAPACITOR, POLYESTER, MKT 100V 334JTR PHS26334	
		C329	0CK10301510	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.01M 1KV K B S	
		C330	0CK10301510	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 0.01M 1KV K B S	
		C331	0CC4700W405	CAPACITOR, CERAMIC (TEMP. COMPENSATE), 47PF 500V J SL TP	
		C333	0CK2220K515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 2200P 50V K B TS	
		C334	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C335	0CE336CP630	CAPACITOR, AL.ELECTROLYTIC, 33U SHL 160V M FM5	
		C336	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C337	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C339	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C340	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C341	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C342	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C343	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C344	181-288E	CAPACITOR, POLYESTER, MKT 100V 474JTR PHS 26474	
		C348	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C350	0CH6221K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 220PF 50V J NP0 2012 R/TP	
		C351	0CH6102K406	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C352	0CH6102K406	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 1000PF 50V J SL 2012 R/TP	
		C353	0CN1020K519	CAPACITOR, TUBULAR(HIGH DIELEC), 1000P 50V K B TA52	
		C354	0CK5610W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 560P 500V K B TS	
		C355	0CK5610W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 560P 500V K B TS	
		C356	0CK5610W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 560P 500V K B TS	
		C357	0CE2266F618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 16V M FM5 TP(5)	
		C359	0CE2266F618	CAPACITOR, AL.ELECTROLYTIC, 22M SMS 16V M FM5 TP(5)	
		C370	0CH3104K946	CAPACITOR, CHIP[CERAMIC LD-LESS HD], 100000PF 50V Z F 2012 R/TP	
		C371	0CE1066N618	CAPACITOR, AL.ELECTROLYTIC, 10M SMS 100V M FM5 TP5	
		C372	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C373	0CK1020W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 1000P 500V K B TS	
		C374	181-288B	CAPACITOR, POLYESTER, MKT 100V 104JTR PHS26104	
		C375	0CK3320W515	CAPACITOR, CERAMIC (HIGH DIELECTRIC), 3300P 500V K B TS	
		C398	0CH6330K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 33PF 50V J NP0 2012 R/TP	
		C399	0CH6330K416	CAPACITOR, CHIP[CERAMIC LD-LESS TC], 33PF 50V J NP0 2012 R/TP	

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	DIODEs				
		D301	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D302	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D303	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D304	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D305	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D306	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D307	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D308	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D309	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D310	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D311	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D312	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D313	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D314	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D315	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D316	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D317	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		D318	0DS113309AA	DIODE, SWITCHING, 1SS133 TP ROHM KOREA DO34 90V 0.4A 0.6A 4.0NSEC	
		ZD301	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD302	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		ZD303	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
	ICs				
		IC301	0IMO438100A	IC, MOTOROLA, LSC4381P 16DIP BK OSD	
		IC302	0IPH488600A	IC, PHILIPS, TDA4886 SDIP24 BK 120MHZ VIDEO PREAMP IC	
		IC303	0INS240700A	IC, NATIONAL SEMICONDUCTOR, LM2407T 11P BK MONOLITHIC	
		IC304	0ISS780800A	IC, SAMSUNG ELECTRONICS, KA7808 (KA7808C) REGULATOR	
	COILs & COREs				
		L301	0LA1000K119	INDUCTOR, AXIAL LEAD, 100UH K 2.3*3.4 TP	
		L302	0LA0560K119	INDUCTOR, AXIAL LEAD, 0.56UH K 2.3*3.4 TP	
		L303	0LA0560K119	INDUCTOR, AXIAL LEAD, 0.56UH K 2.3*3.4 TP	
		L304	0LA0560K119	INDUCTOR, AXIAL LEAD, 0.56UH K 2.3*3.4 TP	
		L305	6200TEZ001B	FILTER(CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK	
		L306	6200TEZ001B	FILTER(CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK	
		L307	6200TEZ001B	FILTER(CIRC), CAPACITOR, ZJSC-R15-180(TA)TDK	
		FB301	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM RADIAL	
		FB302	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
		FB303	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB304	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB305	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB306	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
		FB307	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
		FB308	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM RADIAL	
		FB309	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
		FB310	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
		FB311	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
		FB312	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB313	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		FB315	125-155G	CORE (CIRC), BEAD, BFS3550R2FG SAMWHA 3.5*5MM RADIAL	
		FB331	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH 2012MM R/TP	
		FB332	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH 2012MM R/TP	
		FB333	6210TCE001L	CORE (CIRC), BEAD, HB-1T2012-102JT CERATECH 2012MM R/TP	
	TRANSISTORs				
		Q301	0TR390409CA	TRANSISTOR, 2N3904 TP SAMSUNG TO92 NPN	
		Q302	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q302	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q303	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q303	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q304	0TR945009AA	TRANSISTOR, KSC945C-Y TP SAMSUNG TO92 NPN EPI. SILICON TR	
	or	Q304	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q305	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
	or	Q305	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		Q306	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
	or	Q306	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
		Q307	0TR231009AA	TRANSISTOR, KSC2310-Y TP SAMSUNG TO92L NPN	
	or	Q307	0TR320609AB	TRANSISTOR, KTC3206-Y(KTC2229) TP KEC TO92L NPN	
	RESISTORs				
		R301	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R302	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R303	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R304	0RD1801Q609	RESISTOR, FIXED CARBON FILM, 1.80K 1/4W(3 5% TA52	
		R305	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		R306	0RD5601Q609	RESISTOR, FIXED CARBON FILM, 5.60K 1/4W(3 5% TA52	
		R307	0RD1004Q609	RESISTOR, FIXED CARBON FILM, 1M OHM 1/4 W (3.4) 5% TA52	
		R308	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R309	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R310	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R311	0RH1000D622	RESISTOR, CHIP, 100 1/10W 5 D.R/TP	
		R312	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R313	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R314	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R315	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R316	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R317	0RD0221Q609	RESISTOR, FIXED CARBON FILM, 2.20 1/4W(3 5% TA52	
		R318	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R319	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R320	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R321	0RD0332Q609	RESISTOR, FIXED CARBON FILM, 33 1/4W(3 5% TA52	
		R322	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R323	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R324	0RH7500D622	RESISTOR, CHIP, 750 OHM 1 / 10 W 5% D R/TP	
		R325	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R326	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R327	0RH1001D622	RESISTOR, CHIP, 1.0K 1/10W 5 D.R/TP	
		R328	0RH0561D622	RESISTOR, CHIP, 5.6 1/10W 5 TA	
		R329	0RD0561Q609	RESISTOR, FIXED CARBON FILM, 5.60 1/4W(3 5% TA52	
		R330	0RD0561Q609	RESISTOR, FIXED CARBON FILM, 5.60 1/4W(3 5% TA52	
		R331	0RD3900Q609	RESISTOR, FIXED CARBON FILM, 390 1/4W(3 5% TA52	
		R332	0RD3900Q609	RESISTOR, FIXED CARBON FILM, 390 1/4W(3 5% TA52	
		R333	0RD3900Q609	RESISTOR, FIXED CARBON FILM, 390 1/4W(3 5% TA52	
		R334	0RD0392Q609	RESISTOR, FIXED CARBON FILM, 39 1/4W(3 5% TA52	
		R335	0RD0392Q609	RESISTOR, FIXED CARBON FILM, 39 1/4W(3 5% TA52	
		R336	0RD0392Q609	RESISTOR, FIXED CARBON FILM, 39 1/4W(3 5% TA52	
		R337	0RD2203Q609	RESISTOR, FIXED CARBON FILM, 220K 1/4W(3 5% TA52	
		R338	0RD1200Q609	RESISTOR, FIXED CARBON FILM, 120 1/4W(3 5% TA52	
		R339	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R340	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R341	0RD1200Q609	RESISTOR, FIXED CARBON FILM, 120 1/4W(3 5% TA52	
		R342	0RD2203Q609	RESISTOR, FIXED CARBON FILM, 220K 1/4W(3 5% TA52	
		R343	0RD2203Q609	RESISTOR, FIXED CARBON FILM, 220K 1/4W(3 5% TA52	
		R344	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R345	0RD0332A609	RESISTOR, FIXED CARBON FILM, 33 OHM 1/2 W (7.0) 5% TA52	
		R346	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R347	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R348	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R349	0RD1002A609	RESISTOR, FIXED CARBON FILM, 10K OHM 1/2 W (7.0) 5% TA52	
		R350	0RD1002A609	RESISTOR, FIXED CARBON FILM, 10K OHM 1/2 W (7.0) 5% TA52	
		R351	0RD1002A609	RESISTOR, FIXED CARBON FILM, 10K OHM 1/2 W (7.0) 5% TA52	
		R352	0RD1203Q609	RESISTOR, FIXED CARBON FILM, 120K 1/4W(3 5% TA52	
		R353	0RD1203Q609	RESISTOR, FIXED CARBON FILM, 120K 1/4W(3 5% TA52	
		R354	0RD1203Q609	RESISTOR, FIXED CARBON FILM, 120K 1/4W(3 5% TA52	
		R355	0RH5600D622	RESISTOR, CHIP, 560 1/10W 5 D.R/TP	
		R356	0RH5101D622	RESISTOR, CHIP, 5.1K 1/10W 5 D.R/TP	
		R357	0RD1302Q609	RESISTOR, FIXED CARBON FILM, 13K 1/4W(3 5% TA52	
		R358	0RH5600D622	RESISTOR, CHIP, 560 1/10W 5 D.R/TP	
		R359	0RH5101D622	RESISTOR, CHIP, 5.1K 1/10W 5 D.R/TP	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		R360	0RD1302Q609	RESISTOR, FIXED CARBON FILM, 13K 1/4W(3 5% TA52	
		R361	0RH5600D622	RESISTOR, CHIP, 560 1/10W 5 D.R/TP	
		R362	0RH5101D622	RESISTOR, CHIP, 5.1K 1/10W 5 D.R/TP	
		R363	0RH1302D622	RESISTOR, CHIP, 13K 1/10W 5 TA	
		R364	0RD1000Q609	RESISTOR, FIXED CARBON FILM, 100 1/4W(3 5% TA52	
		R365	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R366	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R367	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R368	0RH0752D622	RESISTOR, CHIP, 75 1/10W 5 D.R/TP	
		R370	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R371	0RD3301Q609	RESISTOR, FIXED CARBON FILM, 3.30K 1/4W(3 5% TA52	
	OTHERs				
		SC301	6620TBD003A	SOCKET (CIRC), CPT, PCS701E PARK ELEC. 10PIN 14/360 STRAIGHT	
		SG301	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG302	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG303	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG304	6918TAT005A	SPARK GAP, AXIAL, MTA-201MT GIGA AXIAL TAPING	
		SG305	165-004A	SPARK GAP, AG20PT 152F-L3N/S-23 HANDOK RADIAL BULK	
	CONTROL BOARD				
		C1	0CN1020K519	CAPACITOR, TUBULAR(HIGH DIELEC), 1000P 50V K B TA52	
		C2	0CN1020K519	CAPACITOR, TUBULAR(HIGH DIELEC), 1000P 50V K B TA52	
		C3	0CZZTFT002D	CAPACITOR, ECQV1H224JZ3 224J 50V TP5.0 MATSUSHITA	
		C4	0CZZTFT002D	CAPACITOR, ECQV1H224JZ3 224J 50V TP5.0 MATSUSHITA	
		C5	0CZZTFT001J	CAPACITOR, ECQB1H562JM3 562J 50V TP5.0 MATSUSHITA	
		C6	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C7	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5),	
		C8	0CZZTFT001J	CAPACITOR, ECQB1H562JM3 562J 50V TP5.0 MATSUSHITA	
		C9	0CZZTFT002B	CAPACITOR, ECQV1H154JZ3 154J 50V TP5.0 MATSUSHITA	
		C10	0CZZTFT002F	CAPACITOR, ECQV1H334JZ3 334J 50V TP5.0 MATSUSHITA	
		C11	0CZZTFT002B	CAPACITOR, ECQV1H154JZ3 154J 50V TP5.0 MATSUSHITA	
		C12	0CZZTFT002F	CAPACITOR, ECQV1H334JZ3 334J 50V TP5.0 MATSUSHITA	
		C15	0CE1056K618	CAPACITOR, AL.ELECTROLYTIC, 1.0U SMS 50V M FM5 TP5	
		C16	0CE1056K618	CAPACITOR, AL.ELECTROLYTIC, 1.0U SMS 50V M FM5 TP5	
		C17	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C18	0CE4766F618	CAPACITOR, AL.ELECTROLYTIC, 47U SMS 16V M FM5 TP5	
		C19	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C20	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C21	0CQ1041N409	CAPACITOR, POLYESTER, 0.1000UF 100V J PE TP	
		C22	0CQ1041N409	CAPACITOR, POLYESTER, 0.1000UF 100V J PE TP	
		C23	0CE108CF618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FL TP5	
		C24	0CE108CF618	CAPACITOR, AL.ELECTROLYTIC, 1000UF SHL 16V M FL TP5	
		C25	0CE3376F618	CAPACITOR, AL.ELECTROLYTIC, 330M SMS 16V M FM5 TP5	
		C26	0CE228EH630	CAPACITOR, AL.ELECTROLYTIC, 2200UF KMG 25V M FM5 BULK	
		C27	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C28	0CE1076F618	CAPACITOR, AL.ELECTROLYTIC, 100UF SMS 16V M TP(5)	
		C34	0CQ1041N409	CAPACITOR, POLYESTER, 0.1000UF 100V J PE TP	
		C35	0CQ1041N409	CAPACITOR, POLYESTER, 0.1000UF 100V J PE TP	
		C201	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C202	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C800	0CN1040K949	CAPACITOR, TUBULAR(HIGH DIELEC), 0.1M 50V Z F TA52	
		C803	0CE1066F618	CAPACITOR, AL.ELECTROLYTIC, 10UF SMS 16V M FL TP5	
		C805	0CE1064F638	CAPACITOR, AL.ELECTROLYTIC, 10 UF SRA,SS 16V M FM5 TP 5	
		D1	0DZ100009AA	DIODE, ZENER, MTZ10B TP ROHM-K DO34 500MW 10V 20MA	
		D201	0DL571300AA	LED, "SPR571MVW3 TP ROHM GREEN/RED ""10,10MCD"""	
		D202	0DZ560009CE	DIODE, ZENER, MTZJ5.6B TP ROHM-K DO34 500MW 5.6V 5MA 26MM	
		D801	0DZ360009AA	DIODE, ZENER, MTZ3.6B TP ROHM-K DO34 500MW 3.6V 20MA	
		IC1	0ISG744900B	IC, SGS-THOMSON, TDA7449 20DIP ST TONE CONT. AUDIO PROCESSOR	
		IC2	0IKE628300B	IC, KEC, KIA6283K	
		JA801	380-077D	JACK, EARPHONE, HSJ0912-01-010 HOSIDEN R/ANGLE GM	
		JA802	380-077F	JACK, EARPHONE, HSJ0914-01-142 HOSIDEN R/ANGLE GM	
		JA803	6612TCV002A	JACK, EARPHONE, SHQ8593-01-050 HOSIDEN VERTICAL BLACK	
		JA804	6612TCV002A	JACK, EARPHONE, SHQ8593-01-050 HOSIDEN VERTICAL BLACK	

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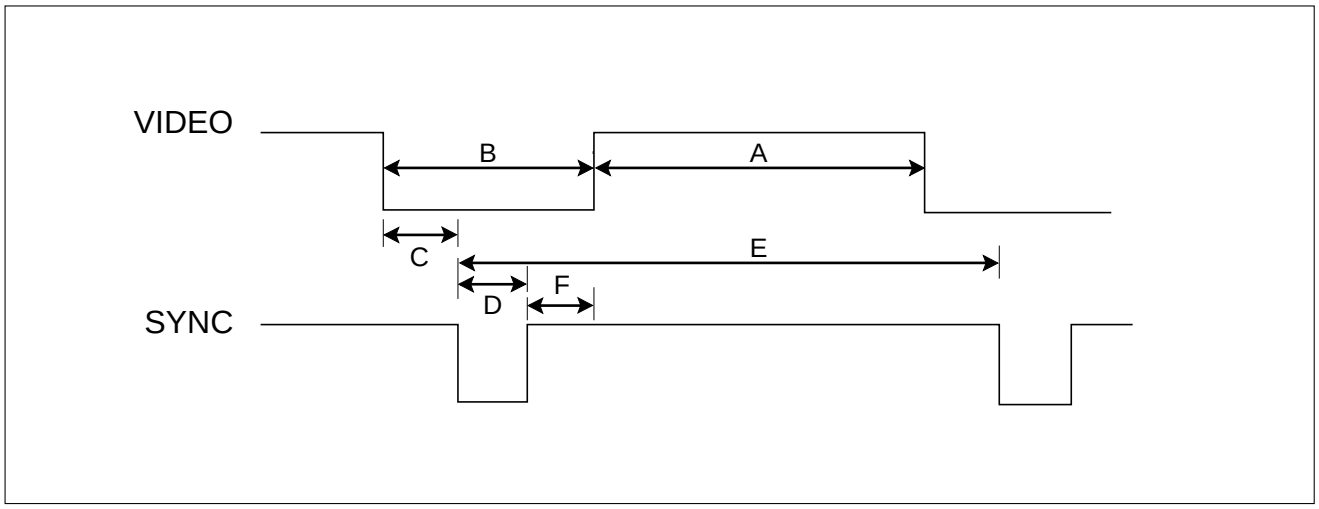
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		L201	125-155J	CORE (CIRC), BEAD, BFS2550A0FG SAMWHA 2.5*5.0MM AXIAL52MM	
		L801	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM RADIAL	
		L802	125-155A	CORE (CIRC), BEAD, BFD3510R2FG SAMWHA 3.5*10MM RADIAL	
		Q1	0TR200009AB	TRANSISTOR, KTC200-Y TP KEC TO92 NPN	
		Q2	0TR319809AA	TRANSISTOR, KTC3198-Y(KTC1815) TP KEC TO92 NPN	
		Q3	0TR127009AA	TRANSISTOR, KTA1270-Y(KTA562TM) TP KEC TO92 PNP	
		R1	0RD2702Q609	RESISTOR, FIXED CARBON FILM, 27K 1/4W(3 5% TA52	
		R2	0RD2702Q609	RESISTOR, FIXED CARBON FILM, 27K 1/4W(3 5% TA52	
		R3	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R4	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R5	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R6	0RD2001Q609	RESISTOR, FIXED CARBON FILM, 2K 1/4W(3 5% TA52	
		R8	0RD3902Q609	RESISTOR, FIXED CARBON FILM, 39K 1/4W(3 5% TA52	
		R9	0RD3902Q609	RESISTOR, FIXED CARBON FILM, 39K 1/4W(3 5% TA52	
		R10	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R11	0RD4701Q609	RESISTOR, FIXED CARBON FILM, 4.70K 1/4W(3 5% TA52	
		R12	0RD1800Q609	RESISTOR, FIXED CARBON FILM, 180 1/4W(3 5% TA52	
		R13	0RD1800Q609	RESISTOR, FIXED CARBON FILM, 180 1/4W(3 5% TA52	
		R15	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R16	0RD2202Q609	RESISTOR, FIXED CARBON FILM, 22K 1/4W(3 5% TA52	
		R18	0RD1002Q609	RESISTOR, FIXED CARBON FILM, 10K 1/4W(3 5% TA52	
		R20	0RD5600Q609	RESISTOR, FIXED CARBON FILM, 560 1/4W(3 5% TA52	
		R22	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R23	0RD0102Q609	RESISTOR, FIXED CARBON FILM, 10 1/4W(3 5% TA52	
		R30	0RD2200Q609	RESISTOR, FIXED CARBON FILM, 220 1/4W(3 5% TA52	
		R31	0RD2200Q609	RESISTOR, FIXED CARBON FILM, 220 1/4W(3 5% TA52	
		R201	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R202	0RD1300Q609	RESISTOR, FIXED CARBON FILM, 130 1/4W(3 5% TA52	
		R203	0RD2700Q609	RESISTOR, FIXED CARBON FILM, 270 1/4W(3 5% TA52	
		R204	0RD3900Q609	RESISTOR, FIXED CARBON FILM, 390 1/4W(3 5% TA52	
		R205	0RD6800Q609	RESISTOR, FIXED CARBON FILM, 680 1/4W(3 5% TA52	
		R206	0RD1301Q609	RESISTOR, FIXED CARBON FILM, 1.30K 1/4W(3 5% TA52	
		R207	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R208	0RD3600F609	RESISTOR, FIXED CARBON FILM, 360 1/6W 5 TA52	
		R209	0RD3600F609	RESISTOR, FIXED CARBON FILM, 360 1/6W 5 TA52	
		R210	0RD2000Q609	RESISTOR, FIXED CARBON FILM, 200 1/4W(3 5% TA52	
		R211	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R212	0RD4700Q609	RESISTOR, FIXED CARBON FILM, 470 OHM 1/4 W (3.4) 5% TA52	
		R800	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		R801	0RD1001Q609	RESISTOR, FIXED CARBON FILM, 1K 1/4W(3 5% TA52	
		R802	0RD2400Q609	RESISTOR, FIXED CARBON FILM, 240 OHM 1/4 W (3.4) 5% TA52	
		R803	0RD2400Q609	RESISTOR, FIXED CARBON FILM, 240 OHM 1/4 W (3.4) 5% TA52	
		R805	0RD1002F609	RESISTOR, FIXED CARBON FILM, 10K 1/6W 5 TA52	
		R806	0RD1002F609	RESISTOR, FIXED CARBON FILM, 10K 1/6W 5 TA52	
		R810	0RD1501Q609	RESISTOR, FIXED CARBON FILM, 1.50K 1/4W(3 5% TA52	
		SW201	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW202	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW203	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW204	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW205	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		SW206	140-058D	SWITCH, TACT, SKHV10911A LGEC NON 12 20 HORIZENTAL 160	
		TG1	302-987A	SHIELD, TERMINAL EARTH	
		VR201	6110T9H001C	VOLUME, "9PHI 10K F L20 ""NC,JP/SW,SINGLE"""	
		VR202	6110T9H001C	VOLUME, "9PHI 10K F L20 ""NC,JP/SW,SINGLE"""	
		ZD800	0DZ360009AA	DIODE, ZENER, MTZ3.6B TP ROHM-K DO34 500MW 3.6V 20MA	
	MISCELLANEOUS				
⚠		CDT	2423GC0B89Z	CDT SET, M41LFQ803X 46NLAA	
		D/COIL	6140TC3001A	COIL,DEGAUSSING, "1090MM 14.3 OHM 0.45MM 120T "17"	
		P/CORD	6410TEW003C	POWER CORD, SP023+IS14 I-SHENG VDE/SEMKO 1870MM WALL 85964 GRA	
	or	P/CORD	174-206F	POWER CORD, SP305+IS14 I-SHENG UL/CSA 1830MM WALL IVORY	
	or	P/CORD	6410TUW001B	POWER CORD, YC-2+YC-5, SVT 18*3 YU CHOU UL/CSA 1870MM WALL IVO	
	or	P/CORD	6410TUW001C	POWER CORD, YC-2+YC-5 YU CHOU UL/CSA 1870MM WALL 85964 GRAY	
		A/CABLE	6852TAZ002B	CORD, AUDIO ENAMEL CORD(SH) L1520 APPLE C/R 2-PLUG D3.5	

MODEL: StudioWorks 77M					DATE: 1999. 8. 1.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	REMARK
		CDT EARTH	6868T17003C	CDT EARTH	
		MIC	6513TCO001A	MICRO PHONE ASSY, CM790,CMT-64(BOSUNG),	
		S/CABLE	6866TA9011D	SIGNAL CABLE, UL 2990-9C(5.5) AT 1560MM GRAY(85964)	
	or	S/CABLE	6866TA9011E	SIGNAL CABLE, UL 2990-9C(5.5) AT 1560MM GRAY(85964)	

TIMING CHART



MODE			FACTORY PRESET MODE											
			MARK	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6	MODE 7	MODE 8	MODE 9	MODE 10	MODE 11
HORIZONTAL	Sync Polarity			—	+	+	+	—	—	—	—	—	+	+
	Frequency	kHz		37.50	46.88	53.68	68.677	31.47	31.47	37.88	43.27	49.75	60.02	63.98
	Total Period	µs	E	26.67	21.33	18.63	14.561	31.78	31.78	26.40	23.11	20.10	16.66	15.63
	Video Active Time	µs	A	20.32	16.16	14.22	10.836	25.42	25.42	20.00	17.78	14.52	13.00	11.85
	Blanking Time	µs	B	6.35	5.17	4.41	3.725	6.36	6.36	6.40	5.33	5.58	3.66	3.78
	Front Porch	µs	C	0.51	0.32	0.57	0.508	0.64	0.64	1.00	0.89	0.55	0.20	0.44
	Sync Duration	µs	D	2.03	1.62	1.14	1.016	3.81	3.81	3.20	1.33	1.12	1.22	1.04
	Back Porch	µs	F	3.81	3.23	2.70	2.201	1.91	1.91	2.20	3.11	3.91	2.24	2.30
VERTICAL	Sync Polarity			—	+	+	+	+	—	+	—	—	+	+
	Frequency	Hz		74.99	75.01	85.07	85.00	70.08	59.94	60.32	85.01	74.95	75.03	60.02
	Total Period	ms	E	13.335	13.331	11.755	11.764	14.269	16.684	16.579	11.763	13.407	13.328	16.661
	Video Active Time	ms	A	12.802	12.798	11.178	11.182	12.712	15.254	15.840	11.093	12.542	12.795	16.005
	Blanking Time	ms	B	0.533	0.533	0.577	0.582	1.557	1.430	0.739	0.670	0.865	0.533	0.656
	Front Porch	ms	C	0.026	0.021	0.018	0.014	0.414	0.318	0.026	0.023	0.021	0.017	0.015
	Sync Duration	ms	D	0.080	0.064	0.056	0.044	0.063	0.063	0.106	0.069	0.060	0.050	0.047
	Back Porch	ms	F	0.427	0.448	0.503	0.524	1.080	1.049	0.607	0.578	0.784	0.466	0.594
Resolution				**640 x 480 75Hz**	**800 x 600 75Hz**	**800 x 600 85Hz**	**1024 x 768 85Hz**	**640 x 400 70Hz**	**640 x 480 60Hz**	**800 x 600 60Hz**	**640 x 480 85Hz**	**832 x 624 75Hz**	**1024 x 768 75Hz**	**1280 x 1024 60Hz**
Recall				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

* Mode 1~Mode 4: Basic Mode (Mode 5~Mode 11: Default Mode)